

19980828.qrp v01\_n197.qrs.980828

Date: Fri, 28 Aug 1998 19:03:16 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1197

QRP-L Digest 1197

Topics covered in this issue include:

- 1) [18609] Re: QST Search Program  
by Chris Trask <ctrask@primenet.com>
- 2) [18610] Re: QST Search Program  
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 3) [18611] Re: QRP, Running Dogs, Pogo  
by Jim Lowman <jmlowman@ix.netcom.com>
- 4) [18612] Re: Using big rigs on qrp  
by mwattcpa@earthlink.net (Marty Watt)
- 5) [18613] Re: QST Search Program  
by Stephen Lee <slee@u.washington.edu>
- 6) [18614] SEVERE Storm/Aurora in progress  
by Paul Harden <pharden@aoc.nrao.edu>
- 7) [18615] Re: 9M0C QSL, Anyone?  
by Ab7wy@aol.com
- 8) [18616] EXTENDED EQUIPT LIFE?  
by ARDUJENSKI@aol.com
- 9) [18617] Re: Using Big Rigs on QRP  
by Roger Hightower <n7kt@earthlink.net>
- 10) [18618] Re: Infrared key  
by wb8ygg@juno.com
- 11) [18619]  
by George Zafiropoulos <georgez@quickturn.com>
- 12) [18620] Re: Solar-powered home stations? Y2K = QRP?  
by bob evinger <revinger@marshallonline.com>
- 13) [18621] Battery Discussion  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 14) [18622] Re: Look, Martha! Ranibow Enclosures Complete!  
by "C. Lamar Derk" <n3at@epix.net>
- 15) [18623] Re: FS: NorCal 40A w/KC-1 (kits)  
by Roger Hightower <n7kt@earthlink.net>
- 16) [18624] HT for sale.... new lower price  
by KF4EIB@aol.com
- 17) [18625] Horizontal Phased Arrays with Directors  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 18) [18626] Re: MF8CCN  
by David Snowden <norway@interlog.com>
- 19) [18627] Re: 50 mhz transistors

- by David Snowden <norway@interlog.com>
- 20) [18628] Re: GQRP - Horizontal Phased Arrays with Directors  
by Paul Harden <pharden@aoc.nrao.edu>
- 21) [18629] Re: Using Big Rigs on QRP  
by Monte Stark <ku7y@dri.edu>
- 22) [18630] Morse Express has Schurr Keys  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 23) [18631] CQC Web Site Address Change  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 24) [18632] Re: GQRP - Horizontal Phased Arrays with Directors  
by Tim Pettibone <tpettibo@NMSU.Edu>
- 25) [18633] My almost-quad (cautionary tale)  
by Vic Rosenthal <rakefet@rakefet.com>
- 26) [18634] Re>Solar-powered home stations? Y2K = QRP?  
by herr@ridgecrest.ca.us (Michael Herr)
- 27) [18635] Re: Band-pass filters...revisited.  
by n5inz@juno.com (John M Andrews)
- 28) [18636] Re: GQRP - Horizontal Phased Arrays with Directors  
by Monte Stark <ku7y@dri.edu>
- 29) [18637] Re: Solar-powered home stations? Y2K = QRP?  
by WD6BOR@aol.com
- 30) [18638] Re: 50 mhz transistors  
by "Randy Jouett" <nop@swbell.net>
- 31) [18639] AB0CD will be bubba-ing  
by Dick Schneider <rschneid@ix.netcom.com>
- 32) [18640] Ocean/Space HopSpaner in review  
by MNHopkins@aol.com
- 33) [18641] Clandestine BUBBA QRP Sprint Alert  
by Joe Gervais <vole@primenet.com>
- 34) [18642] 'On Air' indicator  
by "Brian Jones" <brian\_jones@uk.ibm.com>
- 35) [18643] Re: GQRP - Horizontal Phased Arrays with Directors  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 36) [18644] Re: QST Search Program  
by mikemo@ibm.net
- 37) [18645] Re: Y2K  
by Bensondj@aol.com
- 38) [18646] Re: How do you call it...  
by w4pj@w4bkkx.ampr.org
- 39) [18647] 'On Air' indicator  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 40) [18648] Re: Y2K  
by jeverhar@cse.l-3com.com
- 41) [18649] Re: QST Search Program  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
- 42) [18650] Space/Ocean Hop/Spaner of the Knight  
by MNHopkins@aol.com
- 43) [18651] Non-QRP question

by "Randy Moore" <wr.moore@worldnet.att.net>  
44) [18652] Re: 50 mhz transistors-update  
by Roger Braker <msebrakr@telepath.com>  
45) [18653] Re: QRP, Running Dogs, Pogo  
by "Edward A Kwik jr" <eakwikjr@hti.com>  
46) [18654] Re: QRP, Running Dogs, Pogo  
by Monte Stark <ku7y@dri.edu>  
47) [18655] norcal 20 kit, sold out first day?  
by "Jeff M. Gold" <JGold@tntech.edu>  
48) [18656] found out  
by "Jeff M. Gold" <JGold@tntech.edu>  
49) [18657] QST Search Program  
by n4so@juno.com (charles k brown)  
50) [18658] RE: RF books group buy - 74 and climbing  
by Niel Skousen <nskousen@scientech.com>  
51) [18659] QRP for new hams & Antennae for QRP  
by n2tpa@juno.com (Bill d Lazure)  
52) [18660] Re: QRP, Running Dogs, Pogo  
by n9qil@juno.com (Kenneth R Wezeman)  
53) [18661] Re: Clandestine BUBBA QRP Sprint Alert  
by "Bill Todd" <bill@willapabay.org>  
54) [18662] Re: QST Search Program  
by Stephen Lee <slee@u.washington.edu>  
55) [18663] N7MFB on 14060 (at fair)  
by "Bill Todd" <bill@willapabay.org>  
56) [18664] VERSA-TENNA DWG  
by ARDUJENSKI@aol.com  
57) [18665] QRP for beginners...  
by PDouglas12@aol.com  
58) [18666] Contests  
by Monte Stark <ku7y@dri.edu>  
59) [18667] Re: QST Search Program  
by nhoop@centuryinter.net (N H)  
60) [18668] Don't Miss the Third Annual Accidental Twofer!  
by "Russ Carpenter" <russ@natworld.com>  
61) [18669] N7CEE BUBBA plans  
by Bruce Grubbs <bog@flagstaff.az.us>  
62) [18670] Re: Contests  
by Bob Patten <n4bp@bc.seflin.org>  
63) [18671] Re: 50 mhz transistors  
by hodgins@rtp.semi.harris.com (Bob Hodgins (919)405-3620)  
64) [18672] Re: Joe Everhart, N2CX to visit Bay Area  
by jeverhar@cse.l-3com.com  
65) [18673] QRP Hall of Fame Nominations  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
66) [18674] Re: QRP, Running Dogs, Pogo  
by Jim Lowman <jmlowman@ix.netcom.com>  
67) [18675] Re: QRP, Running Dogs, Pogo

by Paula Bailey <pmbail01@ox.slug.louisville.edu>  
68) [18676] RE: QRP for beginners...  
by Sam Billingsley <SBillingsley@usaninc.com>  
69) [18677] MF8CCN  
by Tom Cooper <cooper@gmpvt.com>  
70) [18678] [LONG] Real life exp of young, green unelmered ham  
by Allan Taylor K7GT <k7gt@qsl.net>  
71) [18679] RE: QRP for beginners...  
by "Hulbert, Nick" <nick.hulbert@lmco.com>  
72) [18680] Re: Solar - Y2K etc.  
by w4pj@w4bkx.ampr.org  
73) [18681] underground feedline installation  
by Larry Braden <lbraden@mail.utexas.edu>  
74) [18682] Re:QRP, Running dogs, &c.  
by w4pj@w4bkx.ampr.org  
75) [18683] HW-9 and programmable counter  
by "Jeff M. Gold" <JGold@tntech.edu>  
76) [18684] SPICE models wanted  
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
77) [18685] WTB: Micamold XTR-1 Tube QRP Transmitter  
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>  
78) [18686] Re: Y2K  
by Bob Edwards <w4ed@flash.net>  
79) [18687]  
by "Tim Hynde" <hynde@flash.net>  
80) [18688] RE: Y2K  
by cy r currier <crc3@telplus.net>  
81) [18689] Y2K & qrp & millenium fever  
by af852@rgfn.epcc.edu (William R Colbert)  
82) [18690] BUBBA - Need Better Chart  
by Bob Patten <n4bp@bc.seflin.org>  
83) [18691] Re: SPICE models wanted  
by Chris Trask <ctrask@primenet.com>  
84) [18692] N7MFB NOT on HF  
by "Bill Todd" <bill@willapabay.org>  
85) [18693] RE: BUBBA - Need Better Chart  
by "Larsen, Jim" <JLarsen@alascom.att.com>  
86) [18694] Re: Y2K  
by Dave Sjolin <sjolin@swbell.net>  
87) [18695] Y2K  
by wd3p@juno.com (Larry Cahoon)  
88) [18696] Re: BUBBA - Need Better Chart  
by wd3p@juno.com (Larry Cahoon)  
89) [18697] Technical Information Server  
by n4so@juno.com (charles k brown)  
90) [18698] For Sale: Zip Drive and Accessories  
by mwattcpa@earthlink.net (Marty Watt)  
91) [18699] tube ID HELP

by Ed Loranger <we6w@qsl.net>

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Aug 1998, charles k brown wrote:

 $\gamma$ 

without making a long-distance call??

$$C_{--}, C_{-+}, \dots, C_{++}$$

Tempe, Arizona 85285-5240

QRP ARCI 9464

<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 27 Aug 1998 16:10:10 -0700  
From: Pierre Constantineau <pierre@cmpe.ubc.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18610] Re: QST Search Program  
Message-ID: <35E5E751.90DB4EF8@cmpe.ubc.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Chris Trask wrote:

>  
> On Thu, 27 Aug 1998, charles k brown wrote:  
>  
> > QST Index Search  
> > Available from the ARRL BBS is a program called qstsearc.zip which is  
> > a QST Index Search program which will search the annual indexes of QST  
> > mag starting from 1977 - 1996. You would use a Keyword like "dipole"  
> > and it will find every article with the word dipole that shows up. This  
> > is a zipped program and will require PKunzip to unzip the files.  
> > ARRL BBS 1 860-594-0306.  
> > Updates are available from the author.  
> >

Is there something similar for QEX ?

Maybe an online index or table of contents for the past ? years

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-----o000--( )--000o-----  
Pierre Constantineau B.Eng                  Email: pierre@cmpe.ubc.ca  
M. Applied Sciences Candidate                Phone: (604) 822-2913  
Flash Smelting Group                        Fax: (604) 822-4750  
Centre For Metallurgical                    111-2355 East Mall  
Process Engineering                          Vancouver, BC, Canada  
U. of British Columbia .ooo0                V6T 1Z4  
http://noname.cmpe.ubc.ca ( )                Oooo. Amateur Radio: VE7JPC  
-----\ (---( )-----  
                  \\_ ) /  
                  (\\_/

-----  
Date: Thu, 27 Aug 1998 16:10:13 -0700  
From: Jim Lowman <jmllowman@ix.netcom.com>  
To: nilsbull@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18611] Re: QRP, Running Dogs, Pogo  
Message-ID: <35E5E755.C4D398D3@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nils R Young wrote:

> Ade's got it right in saying "The point is that QRP is about limiting the  
> amount of power that one feeds to the  
> antenna. Knowledge and skill then take over. Both are directed at the  
> primary objective -- putting out the best signal possible, given the  
> power limitation, and making it work. KNOWLEDGE 101, first point on first  
> day of class = spherical dissemination loss can be overcome partially by  
> focusing the radiation from the antenna in a selected direction/angle  
> etc. "  
>  
> Which is what makes those kinda questions ("If yer into QRP, how comes  
> yer usin' sitch a fancy antenna, huh?") all the more galling. Knowledge  
> 101/Ignorance 202. It's hard to fight that balance.

In line with another discussion taking place on the list, that of using  
QRO  
gear at QRP levels:

Someone offered some very good advice to the original sender; that he  
might  
want to try his QRO transceiver at 5 watts, just to see if he enjoys  
working  
QRP, before making an investment in QRP gear.

Along those lines, I've heard it said here, on more than one occasion,  
that QRP  
operation is not for beginners; that the new ham might easily be  
disappointed  
due to the relative difficulty of making contacts. Many of us operated  
QRO before  
we ever heard of QRP, thus we developed the skills and patience  
necessary. I am  
one of the converts to QRP, although I am not a purist. I still operate  
QRO where  
applicable, such as at Field Day (where there is only one other QRPer in

the club)  
and in contests where there is not (yet!) a QRP entry classification.

That said, many of us already had antennas erected before the QRP bug bit. The "infrastructure," antennas in this case, to use a popular buzzword, is already there.

If I already have a mono- or tri-band Yagi up in the air, why would I not use it?

Just another 2 coppers on the pile...

72 de Jim - AD6CW

-----  
Date: Thu, 27 Aug 1998 23:16:29 GMT  
From: mwattcpa@earthlink.net (Marty Watt)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [18612] Re: Using big rigs on qrp  
Message-ID: <35e6e8a3.160630657@mail.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Thu, 27 Aug 1998 11:19:43 -0500, "George T. Baker" <w5yr@swbell.net> = wrote:

>Watts are fungible. ;^)

We are not! You take that back!!

:)

Marty Watt, KM7W

-----  
Date: Thu, 27 Aug 1998 16:17:38 -0700 (PDT)  
From: Stephen Lee <slee@u.washington.edu>  
To: Chris Trask <ctrask@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18613] Re: QST Search Program  
Message-ID: <Pine.A41.3.95b.980827161255.299922A-1000000@homer38.u.washington.edu>



MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The ARRL has it on a web page, the index that is. Then you can go to ftp mirror site they specify; oak.oakland.edu. Supposedly one can ftp to the oak.oakland site from the ARRL web page;  
<http://www.arrl.org>

I got a "cannot connect/server could be down" message when I tried to confirm. But I've ftp'd to oak.oakland on many occasions in the past. (just not lately)

de AB7HI, Stephen Lee, Federal Way, WA

On Thu, 27 Aug 1998, Chris Trask wrote:

```
>
> Does anybody have this on a web page where it can be downloaded
> without making a long-distance call??
```

```
>
>
>      /-----\
>     /   What's all this   \
>    / extinct stuff, anyhow? \
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>          c__; c__; '-...'.__
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Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: ctrask@primenet.com  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 27 Aug 1998 17:21:36 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>  
To: GQRP-L List <ggrp-l@blacksheep.org>  
Cc: qrp-l@Lehigh.EDU  
Subject: [18614] SEVERE Storm/Aurora in progress  
Message-ID: <Pine.SOL.3.91.980827165221.26751A@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

"Our" geomagnetic storm was featured on "Paul Harvey News" today, and other evening news programs may cover it as well (if time after the hurricane news, crashing stock market, etc. -hi). It has had a global effect so far.

For those interested in more information, updated values, etc., I recommend ... <http://solar.uleth.ca/solar>  
Neat photos, charts and graphs, current alerts, etc.

SOLAR ACTIVITY itself was low today. While areas on the sun are capable of producing more large flares, it was quiet today.

GEOMAGNETIC ACTIVITY has reached SEVERE STORM levels today, and remains SEVERE in the upper latitudes. Activity is slowly starting to subside, with MINOR to MAJOR STORM levels through tonite and tomorrow. Solar wind is currently 600 km/sec., down from the peak of over 900 km/sec. Periods of HF BLACKOUTS have occurred during this geomagnetic storm, especially in the northern latitudes. The 100 mega-volt electron activity even exceeded alert levels, though cancelled a couple of hours ago. This is the stuff that can fry satellites in orbit. Haven't heard of any failures, but another couple of solar flares a bit stronger than this one is gonna claim some victims!

Currently ... solar flux is 135  
A-index is 107 to 122 across various stations  
K-index is 6 to 8

(The Ap "A-index" is the 24-hour average "Planetary" index, which has not been averaged yet for today ... and thus values of 107 to 122 are being measured at various global stations, which will eventually form today's A-Index).

AURORAL ACTIVITY was FANTASTIC last night. There have been several posts on QRP-L, plus I have received numerous private emails of Auroral sightings into Kansas, Indiana and New Jersey for last night, with observers in Montana, northern Michigan, etc. getting a real show. Did any of our European QRPers see auroral activity last night?

Last night -- auroral activity "peaked out," but it will continue again

tonight, just not reaching as far south as it did last night. Here in New Mexico, I drove out of town at midnite and didn't see a thing except the glow from Albuquerque 80+ miles away.

It is uncertain if a coronal mass ejection from tuesdays X-class flare will hit the Earth.

IF IT DOES ... further geomagnetic storming is likely over the weekend  
IF IT DOESN'T ... then conditions should be fairly normal this weekend, including sunday for the BUBBA contest, except perhaps lingering degraded HF conditions in the upper latitudes. In other words, could be real "iffy" for AL7FS in the contest. Update tomorrow. But then again, just imagine the auroral display HE got to see!!!

72, Paul NA5N

This geomagnetic storm and auroral displays was brought to you by a big chunk of 5000 degree K burning hydrogen that smacked into us traveling around 2 million feet per second.

-----  
Date: Thu, 27 Aug 1998 19:28:49 EDT  
From: Ab7wy@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [18615] Re: 9M0C QSL, Anyone?  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 98-08-27 15:55:52 EDT, you write:

<< the QSL manager was  
nice enough to clearly mark them "K1MG/QRP" !!! >>

its great when a qsl manager is kind enough to add the "/qrp". it was a real lift to look in my envelope and see "N7RAP/QRP.....FB UR 5 WATTS ADAM!". (i was n7rap then so no typo intended)....especially when it was 5V7A, in Togo, West Africa!

i worked him from the west coast with an mfj-9020 to an inverted V at the bottom of the cycle so it was a big victory for me...there was even a pileup he commended me for breaking....i couldnt sit down for a while, i was busy pacing with a grin on my mug. so any time that a qsl manager remembers to put the slash qrp on your card...thank your stars, and the manager. BTW, special thanks to the 5V7A manager Bill, GM4AGL for making my day.

73 es gud qrp dx...Adam, AB7WY

-----  
Date: Thu, 27 Aug 1998 19:35:32 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [18616] EXTENDED EQUIPT LIFE?  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

For you high tech folks, will operating QRO radios at QRP levels generally extend the life of the rig due to low operating levels?  
Alan KB7MBI

-----  
Date: Thu, 27 Aug 1998 16:45:55 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18617] Re: Using Big Rigs on QRP  
Message-ID: <35E58D43.539B4F0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I do it, with my 706 because:

I don't have a dedicated QRP rig for each band...just 30 and 40M.

I sometimes jump into DX pileups at 3.5 watts. I use the big rig cranked down because it has split VFO's and better filtering.

My 706 is a much better mobile rig for QRP as well as QRO. Again, better filtering, and I can use the mic buttons for CW.

QRP does not mean small rigs; just lower power.

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

-----  
Date: Thu, 27 Aug 1998 19:47:18 -0400  
From: wb8ygg@juno.com

To: qrp-1@Lehigh.EDU  
Subject: [18618] Re: Infrared key  
Message-ID: <19980827.194719.11518.0.wb8ygg@juno.com>

By the way, this method of touch paddles can be used with the TiCK keyer chips. The high input impedance of the CMOS DIIt and Dah inputs works out quite well.

A couple of years ago Bob Gobrick lent me some of his paddles for ideas and I played with them a bit, produced a few copper paddles, but that was about it. They went into the pile of tried that had fun museum.. Boy you should see the first TiCK board we never produced! Ugh!

73  
Brad

"One of the TICK Guys"  
Brad WB8YGG  
<http://www.frontiernet.net/~embres>  
embres@frontiernet.net

On Wed, 26 Aug 1998 22:07:15 -0500 "Robert J. Gobrick" <rgobrick@worldnet.att.net> writes:  
>Gang,  
>  
>One of the best and easiest to build "touch" designs I've seen for an  
>iambic key was the Copperhead Keyer Paddle by Charles Rakes KI5AZ in  
>the  
>May 91 issue of 73 magazine. What is unique about this design and  
>what  
>makes it a "sweat proof" capacitance touch circuit is that it uses  
>three  
>pieces of copper clad pc board for the key. Each paddle is a piece of

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Thu, 27 Aug 1998 17:20:35 -0700  
From: George Zafiropoulos <georgez@quickturn.com>

To: qrp-1@Lehigh.EDU  
Message-ID: <3.0.5.32.19980827172035.0082e500@mailhost.quickturn.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Following up on Wayne's thread on solar power, I just finished putting together my little Wilderness NC-40A radio, portable gel cell battery pack / charger and solar panel.

I picked up the panel surplus in Japan. It folds into a compact package.

Check out the project photos on my web site: <http://www.qsl.net/kj6vu>

'73 de George KJ6VU

-----  
Date: Thu, 27 Aug 1998 20:16:57 -0500 (EST)  
From: bob evinger <revinger@marshallonline.com>  
To: Myron China <chim@gwl.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [18620] Re: Solar-powered home stations? Y2K = QRP?  
Message-ID: <Pine.LNX.3.96.980827195358.643A-100000@WD9EKA.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had the following question posed me and thought maybe some of the qrp group might be interested in the setup as well so I am copying it to qrp-1. Comments follow.

Bob Evinger | 19250 N. Livingston Road | revinger@marshallonline.com  
WD9EKA | Marshall, IL 62441 |

On Thu, 27 Aug 1998, Myron China wrote:

> hello. i have a couple of questions about your solar setup:  
>

> 1. did you do the electrical wiring yourself or did you have a  
> contractor do it?

Yes, it is not as pretty as I would like it to be mostly due to space limitations and the fact that I have been building up slowly over some time. My dad always told me if I dont know how to fix it I probably shouldnt have it.

> 2. did you take any special precautions for grounding and  
> lightning?

Yes, but I am not done yet. I still dont feel like I have quite all I need. Having a wind generator sitting up 47 feet tends to make one nervous no matter how much "protection" one has. A direct hit will toast it no matter what. I am slowly getting things grounded more completely.

> 3. did you have any hassles with the local building codes,  
> power company, or your home insurance company?  
>

I wouldnt say that this county doesnt have any building codes, but. I put my house in, ran the power from the meter myself, had the septic and water put in and they didnt require a single permit. Supposedly, the state requires a permit for sewage installations, but the contractor handled whatever paperwork there was on it.

Power company sort of knows about it, the meter reader cant miss the wind generator and PV's. I am not generating enough to sell any back so I keep the circuits isolated from each other.

Home insurance.... Hummmm, hopefully I will never have to test that one. I have never found anything in the policy that would prevent me from doing any of what I am doing. If I had a claim that was induced by the installation and they could claim that something didnt meet NEC they might be able to get out of payment. But I suspect a claim of that size there wouldnt be much left to be able to tell. Best bet is to either ask your agent or put the equipment in a seperate building. So if something does go wrong you dont lose your dwelling.

My biggest worry is the 4 L16's sitting in the battery box in the radio room. I would really like to have them outside the house but I liv in east central IL and I dont want them getting cold in the winter and even if I insulated the box I think they would still be a lot cooler than I really want them to be.

So, I have 700 A/H of batteries, a 300 watt wind generator and a 100 watt PV, and a Trace C-40a charge controller. I am not in the big league of alternative generators but most of the other hams that play with solar in this area are using small panels compared to mine.

I had a large spike get in the house from somewhere a month or two ago. I suspect it was a ground loop. I had 2 ground rods that while not shared by any equipment(or so I thought) that I have now bussed together and lots of strange quirks dissappeared when I did that.

It took out a computer and my charge controller.

I cant say enough good about Trace, it was less than a year old and they covered the repairs under warranty, turned out the controller only had a single IC damaged. While the PC which was in a less direct route of what I believe the current path got thoroughly toasted.

Oh well that is enough for now. I probably gave you more information than you wanted. :)

> those are the main concerns that i have about installing solar  
> for myself.

>

> thanks.

> myron china

>

>

> -----  
> Myron China (KB0LMQ) myron.china@gwl.com

> ISIS Oracle Database Administrator Ph:(303)689-3981

> Great-West Life Assurance Co. Fax:(303)689-4850

> Englewood, CO cqc #53 qrp-1 #113

>

>

-----  
Date: Thu, 27 Aug 1998 21:15:01 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [18621] Battery Discussion  
Message-ID: <35E60495.7DC0E662@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I charged my battery unit (a Century Jumper 850 gel cell car "booster" pack) to full power the week before Field Day. With regular use about three or four sessions a week the thing has yet to break a sweat. Maybe I'll get around to charging it up again around Thanksgiving at the rate it seems to be going. As a backup to this bigger unit I also have a small MVP 6000D "Handy Power System" (gel cell) that I picked up at Wal-Mart. I don't use it much except I top it off about once a month to make sure its ready. If the big disaster ever hits, the rest of my life may return to the stone age but I'll be qrping just fine for quite some time.

--

+++++



T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRP-ARCI #8634 NJ-QRP #155 G-QRP #10055  
NORCAL ZOMBIE #122 ARRL Life Member

QRP RIGS: HW-7, HW-8, FT-301S  
KITS IN PROGRESS - Ten-Tec 1330, KnightSMiTe "Pixie"

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Thu, 27 Aug 1998 21:27:50 -0400  
From: "C. Lamar Derk" <n3at@epix.net>  
To: slmachco@fix.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18622] Re: Look, Martha! Rainbow Enclosures Complete!  
Message-ID: <35E60796.A82@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When can I expect my rainbow enclosure - ordered some months ago?

lamar, N3AT

-----  
Date: Thu, 27 Aug 1998 18:45:55 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18623] Re: FS: NorCal 40A w/KC-1 (kits)  
Message-ID: <35E5A963.A4E2EED0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The NC 40A/KC-1 kit has been sold.

--  
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

-----  
Date: Thu, 27 Aug 1998 21:43:59 EDT  
From: KF4EIB@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [18624] HT for sale.... new lower price  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Greetings Gang,

I really would like to sell this rig real soon.... give it some thought and e-mail direct please. New rig in the wing.... Hi Hi

>  
> Alinco DJ-582T Dual Band 144 - 440  
>  
> Alinco EMS-9 Speaker / Mike  
>  
> (2) Alinco 700mah Ni-Cad Packs  
>  
> (2) Antennas  
>     A. Original Alinco Rubber Duck  
>     B. Larsen ( I think ) HT Antenna, works lots better than rubber duck  
>  
> Alinco Battery Charger  
>  
> Cigarette Lighter Adapter ( gives you 5 watts from 12 v)  
>  
> Instruction Book  
>  
New Price \$210.00, I pay shipping in CONUS.  
Money order please.

73,  
Gordon kf4eib

-----  
Date: Thu, 27 Aug 1998 22:11:50 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org  
Subject: [18625] Horizontal Phased Arrays with Directors

Message-ID: <Pine.GS0.3.96.980827220551.28332C-1000000@moe.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some discussions on more than one list of phased arrays with parasitic director(s) left a few questions, such as what performance are they capable of and how does one go about designing one. I have put some preliminary notes at the site under the title in the subject line in the upper HF section, since the effort was modeled as a 12-meter design. General answer is that a 2-element phased array, properly designed with an added director and making up the boom length of a long-boom 3-element Yagi or short-boom 4-element Yagi performs quite well indeed, even in this first order design trial. The notes may be of use to others wanting a point of departure for modeling of their own. Hope the notes are useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \ / \	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ /    /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL: <a href="http://web.utk.edu/~cebik/radio.html">http://web.utk.edu/~cebik/radio.html</a>			

-----  
Date: Thu, 27 Aug 1998 22:20:59 -0400 (EDT)  
From: David Snowdon <norway@interlog.com>  
To: qrp-l@Lehigh.EDU  
Subject: [18626] Re: MF8CCN  
Message-ID: <Pine.BSI.3.96r.980827221933.29063A-1000000@shell1.interlog.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

TERRY MYERS <kq5u@SWBell.net> writes on Tue, 25 Aug 1998 07:52:48:  
>I'm looking for National Semicondutor's MF8CNN IC's. Was thinking of  
>building a SCAF from the Oct'92 QST artical, but I can't find the main  
>IC's. They are in last years catalogs vut not this years.  
>Discontinued I think. The point is who would likely have a back stock  
>of these? I guess a second question is also in order. Is there a pin  
>for pin replacement from another source? As of yet, I have not found  
>one.  
>

>Thanks in advance to all who reply.

>

>Terry, KQ5U

>

All the MF series was replaced with newer LMF parts. Unfortunately National didn't carry over the MF8 design. You might still find some retailers who have it in stock, or you might consider converting the ARRL design to a different chip. For instance, B.G. Micro has the MF10 for \$2; this is a dual 2nd order general purpose switched capacitor filter chip. The circuit's Q factor can't be changed digitally like the MF8's, but you can change the selectivity by changing a resistor's value.

There are also newer chips from MAXIM which are easier to design circuits with.

Looking at my catalogs, Digi-Key has the MF8CCN-ND for \$15.53 (Canadian price).

-----  
norway@interlog.com David Snowdon (VA3DKS) Toronto, Ontario, CANADA

-----  
Date: Thu, 27 Aug 1998 22:21:56 -0400 (EDT)  
From: David Snowdon <norway@interlog.com>  
To: qrp-l@Lehigh.EDU  
Subject: [18627] Re: 50 mhz transistors  
Message-ID: <Pine.BSI.3.96r.980827222105.29063B-1000000@shell1.interlog.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Subject: Re: 50 mhz transistors

At 01:28 PM 8/25/98, Roger Braker wrote:

>Hi Guys,

>I am in the process of gathering parts for my 6 meter rig. But now I have  
>a problem:-) I am needing know if I can use a 2n2222 for a driver at 50  
>mhz.

> If not, what would be a good transistor that is'n too expensive and is  
>commonly available. Also, what kind of transistor could I use to get  
>about 3 or 4 watts out at 50 mhz? Dan's has 2sc799 on sale, but they  
>aren't listed in the arrl handbook, NTE doesn't have data sheets on the  
>cross reference, and I don't know where else to check:-) Will they work?  
>Any help or comments would be greatly appreciated.

The 2N2222A has a FT of 300MHz, making it a poor choice for use at 50MHz. The gain of a VHF signal amplifier is roughly the transistor's FT divided by the operating frequency; so a circuit using a 2N2222A will have a gain of about 6.

For low level signals, 2N918 and 2N3563 are good choices; for higher levels 2N5770, 2N5109 and 2N3866 are OK. The output stage could use the 2N3866(1W), 2N3553 (1.5W), 2N5589(3W), 2N5590(10W) and MRF238(30W) The last three are available from R.L. Drake for \$5, \$7, and \$7.50 respectively.

Dan's Small Parts has both the 2N3563 and the 2N5770 on sale for 12/\$1.00.

-----  
norway@interlog.com David Snowden (VA3DKS) Toronto, Ontario, CANADA

-----  
Date: Thu, 27 Aug 1998 20:33:47 -0600 (MDT)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Cc: antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>  
Subject: [18628] Re: GQRP - Horizontal Phased Arrays with Directors  
Message-ID: <Pine.SOL.3.91.980827202852.6022E-1000000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just want to publicly say how much I enjoy the many great antenna posts we get from L.B. Cebik. Some great stuff there. One of these days I'm gonna build one of them Cebik horizontal loop crossed polarized inverted feed biphasic fransistans with back director. I know it will work great :-)

Keep it up, L.B., we enjoy the great tutorials.

72, Paul NA5N

-----  
Date: Thu, 27 Aug 1998 19:37:20 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18629] Re: Using Big Rigs on QRP  
Message-ID: <Pine.SOL.3.96.980827193235.28619G-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I use my "big" rig for QRP down to about 35 mW.

Reasons are many.....

It works splits, good freq readout, knob on the front to change the power level, fantastic RX, it's always "in line" and ready to go, it will talk to the computer for contesting and many more.

I love my little QRP rigs when I'm out in some motel or camping.

It's like those 8877 amps..... as long as you don't run more power than the rules allow, there is nothing wrong with using them.

Ditto QRP and big rigs. Just keep the power down and it's just as good as anything else.

But..... there is also nothing quite like really chatting with people using something you built! :-)

Some things are just kinda magic!

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 27 Aug 1998 20:39:55 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU, cqclist@mtechnologies.com  
Subject: [18630] Morse Express has Schurr Keys  
Message-ID: <199808280238.UAA14908@edison.chisp.net>

MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Morse Express is now able to offer the beautiful Schurr keys and paddles, from Germany. They are expensive, it's true, but you deserve the very best, don't you?

We have the Profi and Portable paddles, and the MMK straight key, in stock and available for immediate delivery.

The "Mahogany" and "Mini" keys should be available soon.

Profi -- \$259.95  
Portable -- \$249.95  
Mahogany Straight Key -- \$299.95  
MMK Straight Key -- \$209.95  
Mini Straight Key -- \$179.95

You'll find pictures and more info on the web site at:  
<http://www.MorseX.com/schurr>.

Please use our secure ordering facilities on the web site, or call (800)238-8205, toll free, to order by phone.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
(303)752-3382  
--

-----  
Date: Thu, 27 Aug 1998 20:48:00 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@Lehigh.EDU  
Subject: [18631] CQC Web Site Address Change  
Message-ID: <199808280246.UAA15250@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

We've taken a big leap toward the next millenium, and registered a domain name: cqc.org. Henceforth, you can navigate your way to the Club's web site at <http://www.cqc.org>, which should be a LOT easier to remember, and tell people about.

New domain names can take some time to percolate through all the domain name servers, so if it doesn't work immediately, be patient-- it will.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
(303)752-3382  
--

-----  
Date: Thu, 27 Aug 1998 20:46:08 -0600  
From: Tim Pettibone <[tpettibo@NMSU.Edu](mailto:tpettibo@NMSU.Edu)>  
To: [pharden@aoc.nrao.edu](mailto:pharden@aoc.nrao.edu)  
Cc: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [18632] Re: GQRP - Horizontal Phased Arrays with Directors  
Message-ID: <1.5.4.32.19980828024608.0067a358@cnmailsvr.nmsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Paul:

Having had the pleasure of working with L.B. when I was at the University of Tennessee back in 1986-91 you should know that he is also a gentleman and scholar. I also had fun working he and other TN folks on 10m when I was in Alaska (1991-93). In my opinion L.B. is a resource of great proportions for the QRP-L.

Tim K5OI

At 08:33 PM 8/27/1998 -0600, you wrote:

>

>Just want to publicly say how much I enjoy the many great antenna



>posts we get from L.B. Cebik. Some great stuff there. One of these  
>days I'm gonna build one of them Cebik horizontal loop crossed  
>polarized inverted feed biphas franistans with back director. I  
>know it will work great :-)  
>  
>Keep it up, L.B., we enjoy the great tutorials.  
>  
>72, Paul NA5N  
>  
>  
>  
>

-----  
Date: Thu, 27 Aug 1998 20:04:51 -0700  
From: Vic Rosenthal <rakefet@rakefet.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18633] My almost-quad (cautionary tale)  
Message-ID: <35E61E53.F238342B@rakefet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Last weekend, my son and I tried to put up my new 3-band quad (yes, it will still be QRP when I put 5 watts into it).

Anyway, I learned the following:

- 1) a RS 40-foot pushup pole, which is quite stiff when you push it up with a 10-meter Moxon rectangle (that probably weighs about 6 pounds) on it, turns to spaghetti when it has a 35-pound quad on the end of it.
- 2) Don't believe anyone who says that 'you adjust the guy wires first, then if it starts to go, just push it up faster'. Once it's bent, you ain't goin noplase.
- 3) When it gets to be about 30 degrees from vertical, you are in big trouble.

Luckily, no one was hurt, one quad spider was just bent a bit, and some wire had to be cut when it hung up in a tree. And I have one macaroni pushup pole. Now I'm in the market for a real 40' tubular tower like I should have gotten in the first place. 10 times the price, but we were REAL lucky. I should know better.

Vic, K2VCO  
Still Dipole-ing in Fresno CA

-----  
Date: Thu, 27 Aug 1998 20:57:30 -0700 (PDT)  
From: herr@ridgecrest.ca.us (Michael Herr)  
To: qrp-l@lehigh.edu  
Subject: [18634] Re>Solar-powered home stations? Y2K = QRP?  
Message-ID: <v01530501b20b77182f26@[208.138.143.15]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, My station has been 100% solar since 1987, so I guess I'd be on a while after the "big one". How about the rest of us?

72

Mike WA6ARA

>

> This exercise got me wondering: If for some reason we all lost  
> power for an extended period, how many of us would still be on the air?  
> Would there be enough of us to handle even bare-bones traffic for our  
> communities? Some repeaters are solar powered, but in a country-wide  
> extended power outage, I suspect only a small number of hams would be  
> prepared to step in to provide long-distance or even short-range  
> communications.

-----  
Date: Thu, 27 Aug 1998 11:29:07 -0500  
From: n5inz@juno.com (John M Andrews)  
To: qrp-l@Lehigh.EDU  
Subject: [18635] Re: Band-pass filters...revisited.  
Message-ID: <19980827.112910.3382.3.N5INZ@juno.com>

> Being flat on my back for a while gave me a chance to ponder  
> some of the books I had passed over for a while- My worn and  
> well-thumbed copy of "Solid State Design" fell into my hands  
> and happened to turn to the appendix on "Band Pass Filters".  
>  
> Oh, joy. Another mass of complicated gob of math and formulas  
> I need to stumble thru....Hmmm....not so!  
>  
> Wes does a great job of creating standard formats for 160-6  
> meter (but non-WARC) bandpass filters and some great test  
> procedures.

>  
>Even he admits that finding the right fixed caps for the given  
>filter can be a challenge. He suggests putting 3 in parallel and  
>doing a little switching around to get the right combination.  
>I thought back on Chuck's idea for the AADE L/C IIB meter about  
>using machine pins to test components quickly. I dug out a 4 pin  
>machine pin dip ic socket and a small piece of pc board. After  
>making a pattern in the center, and drilling the holes for the  
>socket, I soldered the socket- flipped the board over and scraped  
>the copper from between the pins right down the middle. Next-  
>used the nibbler to allow it to fit the binding posts.  
>  
>Using disc and NP0 caps, I took a stab at finding the right comb-  
>inations. Pretty slow. Welllll...Fine sandpaper applied to the top of  
>one or two of the caps and a little elbow grease and Voila! looks  
>pretty close to 68.4 pF to me. A dab of clear nail polish to keep gunk  
>out of the "wounded" cap seems to work.  
>  
>Let me know how it works for you.  
>  
>72, John- N5INZ

---

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Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Thu, 27 Aug 1998 22:12:58 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Tim Pettibone <tpettibo@nmsu.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18636] Re: GQRP - Horizontal Phased Arrays with Directors  
Message-ID: <Pine.SOL.3.96.980827221027.29062B-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Aug 1998, Tim Pettibone wrote:

> Having had the pleasure of working with L.B. when I was at the University of  
> Tennessee back in 1986-91 you should know that he is also a gentleman and  
> scholar.

Hi Tim,

I haven't known LB that long, but I agree, he is a true gentleman.

And if Dayton Inn South had been just 2 miles farther from Hara Arena, he and I would have solved all the worlds problems!

: -)

And that was in spite of Danny G driving and Mike C riding shotgun!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 28 Aug 1998 01:52:53 EDT  
From: WD6BOR@aol.com  
To: svecbrdk@well.com, qrp-l@lehigh.edu  
Subject: [18637] Re: Solar-powered home stations? Y2K = QRP?  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Wayne,

They'll just call us alarmists until New Year's Day 2000. What a party that may be.

I don't know if you remember the movie "Testament" about "the day after" during the heightened anxiety over the accelerating nuclear arms race during the '80s, but they depicted the only communications after a nuclear war as being through amateur radio stations. Back a couple of decades there was "on the Beach" with Gregory Peck. Then last year we had "Independence Day" and CW saving the world. Do you think the movie industry knows something the general public doesn't?

72,  
Darrel, WD6BOR  
(putting together MY solar station).

-----

Date: Fri, 28 Aug 1998 01:11:41 -0500  
From: "Randy Jouett" <nop@swbell.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [18638] Re: 50 mhz transistors  
Message-ID: <000801bdd24a\$cc5a1330\$210aa8c0@aldebran>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Subject: Re: 50 mhz transistors  
>At 01:28 PM 8/25/98, Roger Braker wrote:  
>>Hi Guys,  
>>I am in the process of gathereing parts for my 6 meter rig. But now I  
have  
>>a problem:-) I am needing know if I can use a 2n2222 for a driver at 50  
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>> If not, what would be a good transistor that is'n to expensive and is  
>>comonley availibel. Also, what kind of transistor could I use to get  
>>about 3 or 4 watts out at 50 mhz? Dan's has 2sc799 on sale, but they  
>>aren't listed in the arrl handbook, NTE doesn't have data sheets on the  
>>cross reference, and I don't know where else to check:-) Will they work?  
>>Any help would or comments would be greatly appriciated.  
>  
>  
> The 2N2222A has a FT of 300MHz, making it a poor choice for use at  
>50MHz. The gain of a VHF signal amplifier is roughly the transistor's FT  
>divided by the operating frequency; so a circuit using a 2N2222A will  
>have a gain of about 6.  
>  
> For low level signals, 2N918 and 2N3563 are good choices; for higher  
>levels 2N5770, 2N5109 and 2N3866 are OK. The output stage could use the  
>2N3866(1W), 2N3553 (1.5W), 2N5589(3W), 2N5590(10W) and MRF238(30W)  
>The last three are available from R.L. Drake for \$5, \$7, and \$7.50  
>respectively.  
>  
> Dan's Small Parts has both the 2N3563 and the 2N5770 on sale for 12/  
>\$1.00.

Another good rule of thumb is to take the operating freq. (in this case  
50mhz), multiply it by 10, and if the answer is below the transistor's FT,  
then your in business.

Randy Jouett AB5NI  
nop@swbell.net

-----  
Date: Fri, 28 Aug 1998 00:09:41 -0600  
From: Dick Schneider <rschneid@ix.netcom.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [18639] AB0CD will be bubba-ing  
Message-ID: <35E649A5.FE025B91@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hope to catch many of you in the upcoming bubba.

AB0CD will be bubba-ing portable in the Rocky Mountains wid 20 meter dipole and a G5RV to check out 15 and 10.

CU on the air.

72 Dick AB0CD..

-----  
Date: Fri, 28 Aug 1998 02:16:49 EDT  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com, Glowbugs@piobarie.mines.uidaho.edu  
Cc: QRP-L@Lehigh.EDU  
Subject: [18640] Ocean/Space HopSpaner in review  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Well, they were really called Ocean Hopper and Space Spanner, and if you are keeping a bib. on these '50s/60s regenerative RXs from Lafayette, add 'Mechanix Illustrated' Electronics Guide for 1957, pages 90-97. It shows both rigs, diagrams and an extensive discussion of the kits.

I am making some copies for my Blooper Maddened pals locally and will send one to you , too, for \$1 and an SASE.

73 de ab5L, michael in dallas, student of Tecraft and International Crystal  
(ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
Michael Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Fri, 28 Aug 1998 02:05:54 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [18641] Clandestine BUBBA QRP Sprint Alert  
Message-ID: <199808280905.CAA12530@usr01.primenet.com>

Howdy Folks,

Another clandestine message from the Data Mines of the Machine. Not sure how long I can keep this channel open before a hostile AI discovers my activities, so I'll only have time to post a quick reminder of the AZ ScQRPion's BUBBA Summer QRP Sprint this Sunday afternoon.

I've scavenged the parts from a murdered DEC Alpha, an office coffee machine, and a child's electronic accordian found in the basement of our CubeHive. Using some long-forgotten substance I found in the Corporate Cryogenic Nutrition Storage Chamber (it may have been yogurt at one time, but has since transmogrified into a gooey, conductive paste) I've been able to piece a circuit together that should get me on the air for BUBBA. I'll have to send in burst-transmission mode to avoid detection by the Site Defense AI. With luck (and a calm ionosphere) I might be able to work some of you despite my detention.

Don't forget that ScQRPion Brian (W5VB0) will be the man behind NQ7RP. Find and work him, add an extra 10,000 points (for each band you snag him on) to your final score.

Thanks to all for your help and support! Must terminate

comm now. SiteSecBots are closing in. The owls are not  
as they seem. I say again, the owls are not as they seem.  
Watch the lobsters.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't \*@%\$\*&R\*&QRG\*&#^)WT(WUHT(@W\*%^@)\*%&  
:: COMMLINK TERMINATED, INITIATING TRACEBACK AUTODESTRUCT SEQUENCE

-----

BUBBA Summer QRP Sprint, sponsored by the AZ ScQRPions

\*(BUBBA = "Burn Ur Big B\_\_\_\_\_ Away")

Aug 30, 1800Z-2200Z  
HF bands, standard QRP calling freqs (no WARC)  
CW, QRP (5w or less) only

Categories: Indoor/Outdoor, Single Op/Multi Op.  
Exchange RST, SPC (State/Province/Country), Name, and  
Temp(F) at OPERATOR'S POSITION.

Example: "559 AZ Beavis 103F"

Score 1 pt per QSO.  
Each SPC counts once per band.  
Work NQ7RP once per band for 10,000 pt. bonus each QSO.

Multipliers:

SPCs: All bands total

Power: 1-5w = x1, Less than 1w = x2.

Category: Indoor Op = x1, Outdoor Op = x2.

Heat:

- Indoor ops use highest operating temp(F) at OP'S POSITION.
- Outdoor ops use NWS Heat Index (use highest operating Heat Index). See chart below.

Final Score = QSO pts x SPCs x Power x Category x Heat Multi + NQ7RP bonus

EXAMPLE:

5w, 80 QSOs total, 35 SPCs Total (8 SPCs on 10m, 14 SPCs on 15m,  
13 SPCs on 20m). Outdoor op, highest operating Heat Index is 107.



NQ7RP worked on two bands.

$80 \times 35 \times 1 \times 2 \times 107 + 20,000 = 619,200 \text{ pts.}$

Send logs by 9/30/98 to vole@primenet.com or Joe Gervais, POB 1822, Goodyear, AZ 85338. Include callsign, operator(s), power, location, and highest operating temp (outdoor ops also include relative humidity and NWS Heat Index).

For more info, visit <www.dancris.com/~ki7mn>

----- OH-FISH-UL BUBBA HEAT INDEX CHART (for outdoor ops) -----

#### HEAT INDEX CHART

TEMP(F)	70	75	80	85	90	95	100	105	110	115	120
	--	--	--	--	--	--	---	---	---	---	---
RH 0%:	64	69	73	78	83	87	91	95	99	103	107
10%:	65	70	75	80	85	90	95	100	105	111	116
20%:	66	72	77	82	87	93	99	105	112	120	130
30%:	67	73	78	84	90	96	104	113	123	135	148
40%:	68	74	79	86	93	101	110	123	137	151	
50%:	69	75	81	88	96	107	120	135	150		
60%:	70	76	82	90	100	114	132	149			
70%:	70	77	85	93	106	124	144				
80%:	71	78	86	97	113	136	157				
90%:	71	79	88	102	122	150					
100%:	72	80	91	108	133	166					

-----  
Date: Fri, 28 Aug 1998 05:08:35 EDT  
From: "Brian Jones" <brian\_jones@uk.ibm.com>  
To: gqrp-l@blacksheep.org, qrp-l@Lehigh.EDU  
Subject: [18642] 'On Air' indicator  
Message-ID: <199808280908.FAA26912@nss4.cc.Lehigh.EDU>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Hi,

I'm looking to put together another 'warm-iron' evening for my local radio-club where we build an entire project in an evening (1.5 - 2 hrs). Last time made ribbon-cable J-poles and 70cm groundplane antennas and was a success. This time may make simple amplified speaker based on a TDA7052.

One idea I had for a future evening was a 'On Air' indicator. Basic idea would be to have two very large LEDs (one green, one red) with the green connected to the main 12v psu to indicate 'in the shack' and the red connected to a small antenna and amplifier to sense RF and indicate 'On the air'. This could then be mounted above the shack door to give that 'real radio station' look!

My problem is that my electronics skills are diametrically opposed to my enthusiasm (and I'm very enthusiastic!). Design criteria are: it has to be simple to build (ugly or stripboard), work broadband 80m - 10m minimum preferably 2m also, work from QRO to QRP. So, my question is - is this feasible? I don't want to waste several evenings investigating this if one of you RF gurus out there is already rolling on the floor with laughter. Any ideas on suitable sniffer (simple air wound coil?) and detector/amp design would be appreciated from anyone who thinks this might fly.

Thanks,

Brian G0UKB

Brian Jones  
Java Technology Centre  
HURSLEY MP 146 Ext 246896 (+44 1962 816896)  
BEJONES AT WINVMD bejones@hursley.ibm.com

-----  
Date: Fri, 28 Aug 1998 06:37:59 -0400 (EDT)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Paul Harden <pharden@aoc.nrao.edu>  
Cc: antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>  
Subject: [18643] Re: GQRP - Horizontal Phased Arrays with Directors  
Message-ID: <Pine.GS0.3.96.980828061124.16214C-100000@moe.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Aug 1998, Paul Harden wrote:

>. One of these  
> days I'm gonna build one of them Cebik horizontal loop crossed  
> polarized inverted feed biphasic frantennas with back director. I  
> know it will work great :-)

Paul,

One small correction, although natural in light of the family connection.

The item you call a "franistan" is actually a Ferblemeister, originally invented in 1928 by Frances and Stanley Ferblemeister. The franistan was a further joint development with reverse polarity.

Appreciate the kind words. Part of the credit goes to the 110 MB site allocation provided UTK--hope they do not change the policy. Where I'll put the stuff when I retire is another question, but a few years away.

I am aware that the TET line of antennas used similar principles, but I do not have access to sufficient details (full mechanical and electrical specs and sketches) to model and evaluate them (or even to determine if they can be fairly modeled within the constraints of the available programs).

My site will in general not shows models of commercial antennas. Yes, I have some, but the issue of something being a fair model will keep them for personal use. Many have features that disable or press the limits of various modeling program aspects. Calibrating modeling programs to more precise levels of evaluation requires a large resource (support \$ for an extended program of such work), so all casual modeling of multi-band Yagis and verticals is sufficiently open to question to make the work valuable only to the individual modeler.

Since Paul opened this little door, let me thank him for his many contributions to the side of the game that feeds or is fed by the antenna. His postings on technical aspects of construction and on component properties (encased in his Data Book) has painlessly elevated home brew to a new level of sophistication. (The cover photos are worth the book price, although I am told that the rig worked under the back cover conditions, but not in the clean environment of the front.)

Thanks Paul!

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	----	/	---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX)(423) 974-3509
37938-4443 USA	/	\	\				cebik@utk.edu
URL:	<a href="http://web.utk.edu/~cebik/radio.html">http://web.utk.edu/~cebik/radio.html</a>						

-----

Date: Fri, 28 Aug 1998 07:00:08 -0400  
From: mikemo@ibm.net  
To: slee@u.washington.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18644] Re: QST Search Program  
Message-ID: <35E68DB8.5810@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>>Does anybody have this on a web page where it can be downloaded  
>>without making a long-distance call??

Try <http://oak.oakland.edu/pub/hamradio/arrl/bbs/programs/>

-----  
Date: Fri, 28 Aug 1998 08:08:59 EDT  
From: Bensondj@aol.com  
To: jaywa5whn@juno.com, qrp-1@Lehigh.EDU  
Subject: [18645] Re: Y2K  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Jay Miller, <jaywa5whn@juno.com> wrote:  
>>To: qrp-1@Lehigh.EDU  
>>Subject: [18603] Y2K & qrp & millenium fever

.....<snip>

>>Does anyone want a schedule with a New Mexico QRPer on Jan. 1, 2000 @  
>>0701 UTC?

This has "Sprint" written all over it! :-)

73- Dave, NN1G

-----  
"It's the end of the world as we know it  
but I feel fine."  
-----  
  
-----

Date: Fri, 28 Aug 1998 08:22:19 EDT  
From: w4pj@w4bkk.ampr.org  
To: qrp-l@lehigh.edu  
Subject: [18646] Re: How do you call it...  
Message-ID: <19003@w4bkk.ampr.org>

My elmer once told me that the best investment was in the antenna.  
"For every dollar / hour, 90% on antennas is well spent."  
Or something like that. I have to agree somewhat, with a bit  
of concentration toward the reciever. (You can transmit with  
just about anything, but if you can't hear'em.....)

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> (Pres. SFDXA)  
----- 73 -----

-----  
Date: Fri, 28 Aug 1998 07:23:05 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:brian\_jones@uk.ibm.com" <brian\_jones@uk.ibm.com>, "+Doc W.D.  
Lindsey/K0EVZ" <70511.3041@compuserve.com>,  
//QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Subject: [18647] 'On Air' indicator  
Message-ID: <199808280822\_MC2-5795-4F69@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Brian:

Whiterook Products here in the Colonies sells assembled gear which does  
this. According to their website, these tiny boxes respond to RF and  
turn on light(s) to show on-air condition. I don't believe these are  
available for building, but they might nevertheless give you what you  
are looking for.

Good luck es 72/73,  
--Doc Lindsey/K0EVZ                    Rochester, MN--Home of the Mayo Clinic.  
MWBC  
519-16th Street SE  
Rochester, MN 55904  
507/289-5108 (eves)

-----  
Date: Fri, 28 Aug 98 08:24:13 EDT  
From: jeverhar@cse.1-3com.com  
To: Bensondj@aol.com  
Cc: qrp-1@Lehigh.EDU, njqrp@njqrp.org  
Subject: [18648] Re: Y2K  
Message-ID: <9808281224.AA03786@train11.cse.1-3com.com>

Dave,

Great minds work in similar channels, eh...

I offered the following on the njqrp list yesterday:

\*\*\*\*\*

Y2K/YAK

Gang, I've been doing some thinking. Thought you smelled something burning, didn't you?

Anyhooo, there has been an interesting thread on qrp-1 lately concerning Y2K and the emergency-preparedness of the QRP community. What do QRP'ers do when they sense a new opportunity? - They capitalize on it with a contest! And I think opportunity is knocking the Y2K door.

How about if NJQRP sponsors the Y2K/YAC contest for New Years Day 2000? It would show that we *are* ready for any eventuality by highlighting our preparedness. I propose bonus points would be for those running on emergency power (like batteries) and even more bonus points for "natural power" like wind, solar, waterwheel, etc.

Remember, you ain't havin' fun if you can't come up with a QRP contest idea.

\*\*\*\*\*

72/73,

Joe E., N2CX

You wrote:

> Jay Miller, <jaywa5whn@juno.com> wrote:  
> >>To: qrp-1@Lehigh.EDU  
> >>Subject: [18603] Y2K & qrp & millenium fever  
>  
> .....<snip>  
>  
> >>Does anyone want a schedule with a New Mexico QRPer on Jan. 1, 2000 @  
> >>0701 UTC?  
>  
> This has "Sprint" written all over it! :-)  
>  
> 73- Dave, NN1G  
>  
> -----  
> "It's the end of the world as we know it  
> but I feel fine."  
> -----  
>  
>

-----  
Date: Fri, 28 Aug 1998 09:35:00 -0400  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'QRP Email List'" <qrp-1@Lehigh.EDU>  
Subject: [18649] Re: QST Search Program  
Message-ID: <m0zCNg3-000ZhTC@mgate.arrl.org>

The web source for this software is:

<http://oak.oakland.edu/pub/hamradio/arrl/bbs/programs/qstsearc.zip>

This program performs a simple text search on files with a file name of qst\*.txt, so any file renamed to that convention could be used for additional index years (or QEX articles too). Another search program alternative is GREP, available in DOS and Windows versions at:

<http://www.simtel.net>

Three different folks have put together QST index searches on their web pages:

<http://www.qsl.net/~wd8rif/qst.htm>

<http://www.tfs.net/~twheeler/jcrac/qst.htm>

<http://www.tp.net/tp/users/japple/>

A full set of QEX indexes can be found at:

<http://oak.oakland.edu/pub/hamradio/arrl/infoserv/qex/>

72, Michael Tracy, KC1SX, ARRL Lab

-----  
Date: Fri, 28 Aug 1998 08:51:11 EDT

From: MNHopkins@aol.com

To: Boatanchors@theporch.com, QRP-L@Lehigh.EDU, Glowbugs@piobaire.mines.oidaho.edu

Subject: [18650] Space/Ocean Hop/Spaner of the Knight

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Tom Bowman and WA2AFD correctly point out that the Space Spanner and Ocean Hopper regenerative receivers of my recent post were from Allied/Knight and not Lafayette. Perhaps Lafayette learned their lesson about RXs that radiate in the old 5M days when they offered kits for super-regen/modulated oscillator transceivers.

Anyway, in '57 when the article I am offering for \$1 and an SASE came out, and in the Winter 1963 Allied sale catalog, the Ocean Hopper 740 kit was \$16.95 with plug in coil (BCB) and tubes 12AT6, 35W4 and 50C5. The 2-band (6.5-17 mc) Space Spanner kit (18.95) with 12AT7, 50C5 and 35W4, had under chassis coils that switched from the panel. If you bought the 5 extra coils for the 'Hopper, they cost \$2.95. It was a Space Spanner that sold at a weekend meeting here. It said \$75 on it less cabinet.

73 de ab5L, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com



-----  
Date: Fri, 28 Aug 1998 07:57:54 -0500  
From: "Randy Moore" <wr.moore@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [18651] Non-QRP question  
Message-ID: <000001bdd283\$78c706e0\$5312430c@deputy-dog>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Can anyone point me to the Kenwood reflector?

Tnx es 72,  
Randy, KS4L

-----  
Date: Fri, 28 Aug 1998 08:23:35 -0500  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-1@Lehigh.EDU  
Subject: [18652] Re: 50 mhz transistors-update  
Message-ID: <3.0.5.32.19980828082335.007e1b10@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Guys,  
I have decided to go with a 2n5770 driving an mrf-476. Thanks you very much for all who responded. My order to dan's has been placed so I'll be in business when that arrives.

73,  
Arnold kd5ckh

At 01:11 AM 8/28/98 -0500, you wrote:  
>>Subject: Re: 50 mhz transistors  
>>At 01:28 PM 8/25/98, Roger Braker wrote:  
>>>Hi Guys,  
>>>I am in the process of gathereing parts for my 6 meter rig. But now I  
>have

>>>a problem:-) I am needing know if I can use a 2n2222 for a driver at 50  
>>>mhz.  
>>> If not, what would be a good transistor that is'n to expensive and is  
>>>comonley availibel. Also, what kind of transistor could I use to get  
>>>about 3 or 4 watts out at 50 mhz? Dan's has 2sc799 on sale, but they  
>>>aren't listed in the arrl handbook, NTE doesn't have data sheets on the  
>>>cross reference, and I don't know where else to check:-) Will they work?  
>>>Any help would or comments would be greatly appriciated.  
>>  
>>  
>> The 2N2222A has a FT of 300MHz, making it a poor choice for use at  
>>50MHz. The gain of a VHF signal amplifier is roughly the transistor's FT  
>>divided by the operating frequency; so a circuit using a 2N2222A will  
>>have a gain of about 6.  
>>  
>> For low level signals, 2N918 and 2N3563 are good choices; for higher  
>>levels 2N5770, 2N5109 and 2N3866 are OK. The output stage could use the  
>>2N3866(1W), 2N3553 (1.5W), 2N5589(3W), 2N5590(10W) and MRF238(30W)  
>>The last three are available from R.L. Drake for \$5, \$7, and \$7.50  
>>respectively.  
>>  
>> Dan's Small Parts has both the 2N3563 and the 2N5770 on sale for 12/  
>>\$1.00.  
>  
>  
>Another good rule of thumb is to take the operating freq. (in this case  
>50mhz), multiply it by 10, and if the answer is below the transistor's FT,  
>then your in business.  
>  
>Randy Jouett AB5NI  
>nop@swbell.net  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Fri, 28 Aug 1998 09:48:10 -0400  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: jmlowman@ix.netcom.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [18653] Re: QRP, Running Dogs, Pogo

Message-ID: <35E6B51A.E72E9A95@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

snip

> Along those lines, I've heard it said here, on more than one occasion,  
> that QRP  
> operation is not for beginners; that the new ham might easily be  
> disappointed  
> due to the relative difficulty of making contacts. Many of us operated  
> QRO before  
> we ever heard of QRP, thus we developed the skills and patience  
> necessary.

Snip

Please, if there are any beginners out there, do not let this discourage you from trying qrp. I did qrp right out of the chute. I have never been qro. My station when I made my first qso back in February was a Ten Tec Triton, 5 watts, inverted v at only 20 feet hanging on the side of the house and my neighbors house just 15 feet away. A very basic set up. I worked stations right from the start. I answered the loudest stations calling CQ and slowly built up my skills and operating procedures. It was fun. It was a lot of fun. I learned something with every qso and that helped me make more qsos. The learning was fun. If there are any new or soon to be new hams out there that want to try qrp, my advise is to try it. I will help anyone who wants it. Just let me know.

Ed Kwik KC8JIE qrp-l# 1444

-----  
Date: Fri, 28 Aug 1998 07:18:06 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Edward A Kwik jr <eakwikjr@hti.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18654] Re: QRP, Running Dogs, Pogo  
Message-ID: <Pine.SOL.3.96.980828071050.393D-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Aug 1998, Edward A Kwik jr wrote:

> Snip  
> Please, if there are any beginners out there, do not let this  
> discourage you from trying qrp. I did qrp right out of the chute.

Hi Ed,

Yes, QRP really does work and there is nothing wrong with using it from the get-go!

My first rig was a 6AG7 Xtal Osc running what must have been about 5 watte input. 40m.

Plus back then no one worried about SWR. Just run a wire around some trees and hook it up to the tank coil with a link. Don't couple too tight cuz it will make the rig chirp or even stop working altogeather!

Now I often think that we tend to scare a lot of people away with all the techinal talk about feed lines, antennas, swr, lighting and etc!

Young or old, newcommer or OF, just hook up what you have and get on the air! Have FUN!

(The nice, fancy radios are great but they are not necessary and the op on the other end has no idea what you are using until you tell them!)

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Fri, 28 Aug 1998 09:33:22 -0500  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <grp-l@Lehigh.EDU>  
Subject: [18655] norcal 20 kit, sold out first day?  
Message-ID: <006f01bdd290\$cedf34a0\$4d0b9595@Jeffro.cc.tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Wondering how everyone else did getting on list. I sent my check so it should have arrived about first day. Checked and didn't get a cancelled check.. so not sure if the kits sold out half way thru first day.

thanks  
72  
Jeff, AC4HF

-----  
Date: Fri, 28 Aug 1998 10:20:37 -0500  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@Lehigh.EDU>  
Subject: [18656] found out  
Message-ID: <009301bdd297\$6903e700\$4d0b9595@Jeffro.cc.tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Thanks to all.. got everything straightened out.

73 and have good weekend..

jeff, AC4HF

-----  
Date: Fri, 28 Aug 1998 11:21:54 EDT  
From: n4so@juno.com (charles k brown)  
To: qrp-l@Lehigh.EDU  
Subject: [18657] QST Search Program  
Message-ID: <19980828.151939.4279.6.n4so@juno.com>

QST Index Search Program  
The program text files end with 1995.  
I need updates to the search program called  
QST1996  
QST1997

These are large text files of around 60K- 70K and Juno  
may balk at sending the large 70K file but splitting the text file in  
half is ok.

Ken  
N4SO@juno.com  
Mobile, AL "Merci bien et toutes mes amities."

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 28 Aug 1998 09:29:39 -0600  
From: Niel Skousen <nskousen@scientechnology.com>  
To: qrp-l@Lehigh.EDU  
Subject: [18658] RE: RF books group buy - 74 and climbing  
Message-ID: <199808281529.JAA10198@if.scientechnology.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Wow, we're to 73 volumes and climbing already... 100 here we come

Niel

-----  
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG, NUSI WA7SSA  
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID  
nskousen@scientechnology.com DN33wm . . . -z

-----  
Date: Fri, 28 Aug 1998 11:06:24 -0400  
From: n2tpa@juno.com (Bill d Lazure)  
To: QRP-L@Lehigh.EDU  
Subject: [18659] QRP for new hams & Antennae for QRP  
Message-ID: <19980828.112505.7550.2.N2TPA@juno.com>

Folks,

A couple of salient points from someone relatively new to QRP-L.

-First, too often I've heard it said that QRP is not for the beginning ham because they may be disappointed by the poor response rate.

With most new QRO rigs costing \$1500 or more, QRP is just the ticket to see if you like Amateur Radio without taking a second mortgage on the house. My first new rig was a HW-9 that totalled about \$400. I was a ham for 11 years before I owned a rig that would do better than 7 watts (Ten-Tec Triton IV I got in April). In that time, I have won my section in QRP in both Novice roundup, and CW sweepstakes. Would I have learned my operating skills if I had simply purchased a KWatt and blew my signal to anyone with a receiver??

Bottom line- encourage everyone to try QRP. It's for all to enjoy

- Next, my impression of the existence of QRP is twofold: learning and applying the technical end of our hobby, and applying the spirit of the FCC's statement using the minimum amount of power necessary to accomplish communication.

On the technical side, I can make a simple dipole or vertical antenna, or a multi-element beam. Either way, I built it myself. Both have their uses. But, this leads to the "Minimum necessary" side.

If my 5 watts or less is not enough to accomplish communication, I can either boost my output power, or use a more directional antenna. Boosting output power raises my electricity bills. It costs more money in equipment, it becomes harder for me to homebrew equipment. A more directional antenna raises my antenna budget some, but costs no more to operate and may actually reduce interference to other hams and my neighbors. The ham with a KWatt and a 30 Db gain antenna is still sending a full watt out the back of his antenna. 5 Watts out with a 30 Db antenna puts 5 mW out the back of mine. While 5 mW is still enough to communicate, chances are good that I won't be much of an interfering signal to someone on the other coast!!

Just adding my 2/100ths.

73 & 72,

Bill  
N2TPA

-----  
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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 28 Aug 1998 10:32:59 -0500  
From: n9qil@juno.com (Kenneth R Wezeman)  
To: qrp-l@Lehigh.EDU  
Subject: [18660] Re: QRP, Running Dogs, Pogo  
Message-ID: <19980828.103301.-201635.0.N9QIL@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

My start in amateur radio was also QRP. My first contact was on 7110 KHz with 0.5 watt using Doug DeMaw's "Pebble Crusher" transmitter and a Sangean ATS 803A for a receiver. The antenna was an inverted vee pulled up into a tree next to my camp site at the state park. When N8PUW answered my CQ and gave me a 349 report, I was so excited I forgot to

throw the T/R switch on my next transmission. The rig survived - and I was hooked. (I later added an amplifier and a diode T/R switch to that rig to bring it up to 5 watts and make T/R switching "fool-proof".)

Frustrated at times? Yes. (Who isn't?) Still here? Yes. QRP beginnings recommended for everyone? Probably not - people have different tolerances for frustration. But it is possible to start with QRP and have LOTS of fun. It was what I could afford at the time and it got me started - and I learned a lot more than I would have any other way.

Ken Wezeman, N9QIL - Mishawaka, IN  
QRP ARCI #8191; QRP-L #1416

---

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Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 28 Aug 1998 09:01:05 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: <vole@primenet.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [18661] Re: Clandestine BUBBA QRP Sprint Alert  
Message-ID: <002801bdd29d\$1333c420\$194ffbce@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>Howdy Folks,

>

>Another clandestine message from the Data Mines of the  
>Machine. Not sure how long I can keep this channel open  
>before a hostile AI discovers my activities,

Greetings entity attempting to communicate on this channel -

Your yearly allotment of RF energy production has been exceeded, and our Security Service will be visiting your location to confiscate your equipment.

Our sources inform us that your clandestine collection of "Whoopee Cushions" has also been exceeded. These will be collected at the time of the first interrogation.



That is all -

Bubba Security Unit # 7373  
Alphanzo Zippertripper

<http://www.willapabay.org/~bill>  
ICQ me @ 8926298

-----  
Date: Fri, 28 Aug 1998 09:04:09 -0700 (PDT)  
From: Stephen Lee <slee@u.washington.edu>  
To: mikemo@ibm.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18662] Re: QST Search Program  
Message-ID: <Pine.A41.3.95b.980828084705.120094A-100000@homer08.u.washington.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

My experience with downloading files via http from the oak.oakland site is that it is very slow. Just tried it again and the pace of download was at 800 bytes per second.

My experience with downloading files via ftp from the oak.oakland site is that it is over 3 times faster. The same file ftp'd came in at 2900 bytes per second. On a big file that might take 10 minutes to download via ftp would require 30 minutes using http at the oak.oakland site. I'm not using a modem but am directly connected to ethernet which supports a 100 Meg data flow. One can ftp from a web browser and for simple text files this approach results in quicker downloads.

de AB7HI, Stephen Lee, Federal Way, WA  
On Fri, 28 Aug 1998 mikemo@ibm.net wrote:

> >>Does anybody have this on a web page where it can be downloaded  
> >>without making a long-distance call??  
>  
> Try <http://oak.oakland.edu/pub/hamradio/arrl/bbs/programs/>  
>

-----  
Date: Fri, 28 Aug 1998 09:09:47 -0700

From: "Bill Todd" <bill@willapabay.org>  
To: <nwq-1@scn.oerg>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [18663] N7MFB on 14060 (at fair)  
Message-ID: <000301bdd29e\$482fcd80\$274ffbce@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi folks -

For those of you who want to work a really "rare" state, I will be operating the Red Cross communications van at the Pacific County Fair from 10 AM to 12 noon (PDT) today. I will probably hang out at either 14060 or 21060.

CUL, Bill-N7MFB  
<http://www.willapabay.org/~bill>  
ICQ me @ 8926298

-----  
Date: Fri, 28 Aug 1998 12:20:04 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [18664] VERSA-TENNA DWG  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I have had some inquiries about building the VERSA-TENNA. For interested parties I can e-mail a JPG or JPEG drawing (about 40K). Super fieldday antler and experimenters delight.  
Alan KB7MBI

-----  
Date: Fri, 28 Aug 1998 12:20:53 EDT  
From: PDouglas12@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [18665] QRP for beginners...  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Gang,

The oft-discussed topic of to QRP or not to QRP for beginners (novices with a small "n") has come around again.

I have taught novice classes over a number of years, and I frequently advise new hams interested in HF and CW to buy a used transceiver for a first rig, and to run it at its normal output, usually 100w. I recognize, however, that this advice should always be tempered by the extent of technical know-how the novice already has. I think it would be impractical for a student without a 1:1 Elmer available to build a first rig, figure out the hook up and antenna requirements, etc., with limited experience/technical skills and start making contacts.

Nevertheless, it is likely that readers of this list, even relative beginners in radio have had to do some reading and have a respectable level of technical ability to have found their way here at all. For many such people, it might be somewhat patronizing to discourage them from using QRP for their first venture in HF/CW work.

For those intent on starting out their radio careers with QRP only, I would certainly suggest that a VFO controlled transmitter is a necessity, and a transceiver is preferred to separate transmitter/receiver. No beginner should have to struggle with the frustrations of a rock-bound (crystal controlled) transmitter. It's just too hard for a beginner with a single crystal or two to make contacts with such a rig. And a transceiver eliminates the complex procedures/reasoning necessary to get the transmitter/receiver combo tracking with the proper offset to assure a reasonable contact success rate. Contacts are an important part of learning for novices, and in ham radio, one can consider successful contacts as the reciprocal of frustration. If a novice doesn't make contacts he/she will be frustrated, and with the possible exception of golf, frustration is not the attractive part of any hobby. (No golfer flames please, I was kidding.)

72,

Preston Douglas WJ2V New York

-----  
Date: Fri, 28 Aug 1998 09:22:33 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [18666] Contests  
Message-ID: <Pine.SOL.3.96.980828090700.1080A-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

The BUBBA is almost here. I hope to see you all. I'll be

running 200 mW on the highest band that is open.

Then..... on the 6th of Sept comes the NA Sprint.

There has been lots of talk about how the big contest stations just sit on one frequency and call CQ for 24 hours! Or 12 hours or however long the contest is.

NO SO IN THE NA SPRINT!!!

This is the contest for you! You can call CQ but when you get an answer and work someone, you MUST QSY and let the station you just worked have that freq!

Full rules at the NCJ site:

<http://www.waterw.com/~ncj/>

Or I can post or email them.

This contest only lasts for 4 hours and is a BLAST!

If you can make it, please let me know and we will get you on a team also.

This is a chance to show the world that QRPers can play with the "big boys" and still have fun.

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Fri, 28 Aug 1998 16:22:57 GMT  
From: nhoop@centuryinter.net (N H)  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [18667] Re: QST Search Program  
Message-ID: <35e8d8ba.1974979@mail.ot.centuryinter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Are the QST archives (Text) available anywhere? There are many hams like myself who are archive disadvantaged

72 Nat KM5QU  
Oxford AR  
QRP-L #1665

-----  
Date: Fri, 28 Aug 1998 09:26:03 -0800  
From: "Russ Carpenter" <russ@natworld.com>  
To: "QRP-L List" <qrp-l@lehigh.edu>  
Subject: [18668] Don't Miss the Third Annual Accidental Twofer!  
Message-ID: <199808281620.JAA16391@guppy.pond.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Adventure Radio Society is pleased to announce the Third Annual Accidental Twofer. This remarkable contest comes about from the completely unplanned, but quite productive, overlap of the Michigan Labor Day Sprint and September's Spartan Sprint. (The Spartan Sprint overlaps with the last two hours of the Michigan Sprint.)

ARS hereby stipulates that the Michigan standard exchange will satisfy the exchange requirements for the Spartan Sprint. If you choose to call CQ, we recommend that you use the format "CQ QRP TEST." So, go to it! Have a great labor day. Use the ARS autolog to send us a log. See the results by Thursday.

For the record, here are the standard rules for the Spartan Sprint:

\*\*\*\*\*

The September Spartan Sprint will be held on September 7 (which is our standard date--the first monday of the month). We will be operating on two bands--40 and 20. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT. Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.

2. The frequencies will be 7040+- KHz and 14060 KHz+-. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ SP TEST."
5. You can take credit for working the same station on a second band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to [www.natworld.com/ars](http://www.natworld.com/ars) and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at [www.natworld.com/ars/ss\\_log.html](http://www.natworld.com/ars/ss_log.html).

If you don't have access to the web, just send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is [russ@natworld.com](mailto:russ@natworld.com).

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is [nu6SN@aol.com](mailto:nu6SN@aol.com). Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

-----  
Date: Fri, 28 Aug 1998 09:23:40 -0700  
From: Bruce Grubbs <bog@flagstaff.az.us>  
To: qrp-1@Lehigh.EDU  
Subject: [18669] N7CEE BUBBA plans  
Message-ID: <3.0.5.32.19980828092340.009766c0@mail.infomagic.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Howdy all,  
Scott, K7ZEN, and I plan to operate BUBBA from Saddle Mtn north of  
Flagstaff, weather permitting. (Weather not permitting, we'll go some place  
else where lightning isn't as much of a factor.) We'll be at 8880 feet so  
we don't expect to do much with the temp multiplier! But the view's great.

72

Bruce, N7CEE  
bog@flagstaff.az.us

-----  
Date: Fri, 28 Aug 1998 13:03:21 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Monte Stark <ku7y@dri.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18670] Re: Contests  
Message-ID: <Pine.3.89.9808281201.C14582-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Aug 1998, Monte Stark wrote:

>  
> NO SO IN THE NA SPRINT!!!  
>  
> This is the contest for you! You can call CQ but when you  
> get an answer and work someone, you MUST QSY and let the  
> station you just worked have that freq!  
>  
> If you can make it, please let me know and we will get

> you on a team also.

>

Hadn't thought about it but, yes, this is an ideal contest for QRP! But you should also be aware that a lot of the ops do 50wpm or better, and expect you to copy. Of course, you can pick your own speed and only call the guys you can copy. DL50BZ/K2XS was visiting me last year during the sprint and decided to try it. He gave up in frustration because of the speed!

So what are you doing for teams? I usually don't get into it, or enter with a team from the Florida Contest Club. But now that you've mentioned it, I'd like to try it at least once with QRP...

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: [n4bp@bc.seflin.org](mailto:n4bp@bc.seflin.org)

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

-----  
Date: Fri, 28 Aug 98 13:15:00 EDT

From: [hodgins@rtp.semi.harris.com](mailto:hodgins@rtp.semi.harris.com) (Bob Hodgins (919)405-3620)

To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Cc: [msebrakr@telepath.com](mailto:msebrakr@telepath.com), [dafouche@jax-inter.net](mailto:dafouche@jax-inter.net)

Subject: [18671] Re: 50 mhz transistors

Message-ID: <9808281715.AA01749@pollux.draco>

Ft is the frequency at which Beta falls to 1. With a 200 MHz 2N2222 operating at a frequency of only one fourth of Ft you are still on the gain-bandwidth = -1 slope. I.e. expect a beta at 50MHz of 200MHz/50MHz = 4, probably not what you are looking for in a 6 Meter driver.

-----  
Date: Fri, 28 Aug 98 13:23:22 EDT

From: [jeverhar@cse.l-3com.com](mailto:jeverhar@cse.l-3com.com)

To: [ki6ds@dpol.k12.ca.us](mailto:ki6ds@dpol.k12.ca.us)

Cc: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Subject: [18672] Re: Joe Everhart, N2CX to visit Bay Area

Message-ID: <9808281723.AA04240@train11.cse.l-3com.com>



Doug,

Didn't see any replies ot your message the ohter day. Perhaps that's the laid back way out there. :-)

I'll be there on the 8th!

BTW Hope to get a package out to you this weekend.

72/73,

Joe E., N2CX

<SNIP'ED FOR BREVITY>

> So, lets plan on a qrp pizza party at the Round  
> Table Pizza in the shopping center at the corner of Grant Road (237) and El  
> Camino Real in Mountain View. You know, the usual place. Dutch treat for  
> Pizza, beer or sodas. 6:30 til ???

> Joe says that he thinks Sept. 8th will work the best. Zombie badges  
> checked.

-----  
Date: Fri, 28 Aug 1998 10:32:55 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@Lehigh.EDU>  
Subject: [18673] QRP Hall of Fame Nominations  
Message-ID: <01bdd2a9\$e46b86c0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I was reading qrp-1 just a few minutes ago, and the light bulb went on. QRP ARCI has a QRP Hall of Fame and the way that someone is inducted is that they have to be nominated and then voted on by the ARCI Board of Directors and the members of the Hall of Fame. The nomination is not just a name, it must be a letter that states why you feel that the person deserves to be in the QRP Hall of Fame. The more information and supportive evidence that you give in your letter, the better the chance your nominee will have. There are two names of members of this list that I think deserve the QRP Hall of Fame, Paul Harden, NA5N, and L.B. Cebik, W4RNL. If you agree, please write a supportive letter or email and send it to Mike C., WA8MCQ, who is in

charge of accepting nominations for the QRP Hall of Fame. Mike's email address is:

wa8mcq@erols.com

Be sure to include plenty of supporting statements and reasons for your nomination in your message to Mike. 72, Doug, KI6DS

Oh, please don't post the nomination letters to the list. I did that 2 years ago and got yelled at by Mike. 72, Doug, KI6DS

-----  
Date: Fri, 28 Aug 1998 10:42:31 -0700  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: Edward A Kwik jr <eakwikjr@hti.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [18674] Re: QRP, Running Dogs, Pogo  
Message-ID: <35E6EC07.7042BE96@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Edward A Kwik jr wrote:

>  
> snip  
> > Along those lines, I've heard it said here, on more than one occasion,  
> > that QRP  
> > operation is not for beginners; that the new ham might easily be  
> > disappointed  
> > due to the relative difficulty of making contacts. Many of us operated  
> > QRO before  
> > we ever heard of QRP, thus we developed the skills and patience  
> > necessary.

> Please, if there are any beginners out there, do not let this  
> discourage you from trying qrp. I did qrp right out of the chute. I  
> have never been qro. My station when I made my first qso back in  
> February was a Ten Tec Triton, 5 watts, inverted v at only 20 feet  
> hanging on the side of the house and my neighbors house just 15 feet  
> away. A very basic set up. I worked stations right from the start. I  
> answered the loudest stations calling CQ and slowly built up my skills  
> and operating procedures. It was fun. It was a lot of fun. I learned  
> something with every qso and that helped me make more qsos. The

> learning was fun. If there are any new or soon to be new hams out there  
> that want to try qrp, my advise is to try it. I will help anyone who  
> wants it. Just let me know.

Ed is absolutely correct. It was not my intent to discourage \*anyone\*  
from trying QRP, even as a new ham. I apologize if that's the way my  
message  
came across; that was not the intent.

72 de Jim - AD6CW

-----  
Date: Fri, 28 Aug 1998 14:04:54 -0400 (EDT)  
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>  
To: Edward A Kwik jr <eakwikjr@hti.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [18675] Re: QRP, Running Dogs, Pogo  
Message-ID: <Pine.LNX.3.96.980828134549.27112E-100000@ox.slug.louisville.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Aug 1998, Edward A Kwik jr wrote:

(On QRP supposedly not being "for beginners"...)

> Snip  
> Please, if there are any beginners out there, do not let this  
> discourage you from trying qrp. I did qrp right out of the chute. I  
> have never been qro.

As will I be, when I get my ham ticket (if I have to do it on 2 meters, at  
that ;). There are \*several\* reasons why, frankly, I prefer QRP:

- 1) QRP is, frankly, just about the only way I could afford to get on. ;)  
After all, I'm a mere college student and we are not exactly the  
richest folk in the world (especially at the state unis, a lot of us  
have to have financial aid) and once I get the degree I get to look  
forward to a few years of paying back Stafford loans (unless Y2K  
makes all the records disappear... ;).

I was looking through a shortwave catalogue, the Radio Shack catalogue,  
the Copper Electronics catalogue, and Tech America's catalogue--the  
\*cheapest\* rigs I found for HF or for 2 meters were around \$300. I  
have seen kits for less than \$150 that will enable me to do what I  
want to do, and I can get a kit for \$400 that will let me do at QRP  
levels everything that the big-boyz with their ICOMs and other stuffle

that cost more than a Kia Sephia can do. :)

Plus, if you count homebrewing from schematics, you can buy a bit at a time, which makes things really nice. I honestly think the most expensive item in a homebrewer's ship is probably an oscilloscope (I've seen the TechAmerica digital ones for \$200, and I expect one could get used oscilloscopes cheaper at a hamfest).

- 2) QRP is (at least) where it seems most of the nice people hang out, as opposed to the folks carrying on the perpetual No-Code Flamewar, the yahoos whom I've heard about on parts of 80m, etc.
- 3) QRP (to me, anyways) still has a lot of the elmers and has the emphasis of build-your-own, "it's not the size it's what you do with it" working that to me symbolises a lot of what ham radio is about. Yeah, if I won the Powerball I could buy one of those fancy-schmancy, prepackaged, more-expensive-than-a-Kia-Sephia rigs...but somehow to me, that wouldn't be as much fun as getting across the country or across the world on something I built with my own two hands and isn't the most powerful (watt-wise) thing in the world.
- 4) QRP seems, at times, to be one of the last bastions of Morse code. (No, I don't have the code down \*perfectly\* yet--in fact, I'm still learning--but I don't think they should ever get rid of CW entirely in ham radio. One, it's easier to get out with it on low power; two, for some reason I have associated CW with hams and likely will till the day I die. :) I thought the scene in "Independence Day" where the Morse Code operators spread the good news was truly cool. ;)
- 5) You have wonderfully cute stuff like Norcal Zombies and radios that fit in Altoids boxes (and occasional combinations of the above) and some of the contests and whatnot. To whit, folks here still have a definite sense of humour and fun. ;)

Just my two pence. (Now, if home chip-making kits ever became popular, would it be possible to create a CW rig that would fit on exactly two English pence? Hmmmmm... ;)

-pb

-----  
Date: Fri, 28 Aug 1998 14:19:58 -0400  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: PDouglas12@aol.com, "Qrpl\_Submit (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [18676] RE: QRP for beginners...

Message-ID: <21E06269B00ED111BE9B00805F6D0FA33646B8@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

Preston I agree with you on giving the "novice" (as in beginner) ham all the advantage possible to fulfill his operating potential.

I became a real NOVICE in 1957 and had to use Xtal Control with low power and poor antennas. That coupled with an UP or OUT licensing structure made getting to the next level more difficult. All my gear, although kits, was built by me. Thanks to Heathkit's level of documentation for construction/alignment and theory of operation tutorials I could understand and maintain my gear.

The QRP arena today allows the beginning ham to participate in an aspect of the hobby that allows him to learn more about basic electronics with hands on effort. He is able to actually build and get operating equipment fairly inexpensively that he can proudly use and fix if need be.

Since the full enjoyment of hamming involves the actual communicating with others the beginning operator should attempt to use all of today's technology advances including commercial QRO equipment to increase his skills. Ultimately his real QRP operations with commercial and/or homebuilt gear will be more successful and the chances of long term QRP support enhanced.

My ICOM756 is wonderful to operate but I have an equal use of my "older" QRP gear for QSOs. In all cases QRP is my operating mode.

My hat is off to all the ELMERxxx projects and all club kits that enable us to get closer to the essence of the ham experience.

Sam Billingsley AE4GX Atlanta, GA

Inverted L, Butternut Vert, IsoLoop, Parking Lot Portable Vertical(PLPV)  
40mtrRamsey QRP+ HW7 HW8 HW9 NorCal38S Pixie2  
NORCAL 2210 MI-QRP 1567 QRP-L 1033 ARCI 9356 AKQRP 308  
GQRP 9660 ARS 269 NOGA CQC 454 FISTS  
5306

-----  
Date: Fri, 28 Aug 1998 14:48:03 -0400  
From: Tom Cooper <cooper@gmpvt.com>  
To: qrp-1@Lehigh.EDU

Subject: [18677] MF8CCN  
Message-ID: <3.0.5.32.19980828144803.007ce360@web.gmpvt.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone was looking for MF8CCN IC's. The number sounded familiar and I looked around and I have 14 new ones.

QRZ?

72,

Tom W1EAT

-----  
Date: Fri, 28 Aug 1998 11:47:15 -0700  
From: Allan Taylor K7GT <k7gt@qsl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [18678] [LONG] Real life exp of young, green unelmered ham  
Message-ID: <35E6FB33.175A@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

[LONG--delete now if you don't want to meet reality or have time...]

Re trying QRP as a new ham...

It was back in 1958, I was a newly licensed novice (WV6ALQ) and a precocious 6th grader. Someone suggested (no idea who) that I make up a simple transmitter and use it to feed a windom antenna (a true windom, by the way). After some bludgeoning I managed to make the rig and it actually worked, sort of. A single 6AG7 osc with a parallel tank ckt and link output. The windom was fed with a single wire and maybe 20 ft up. I managed a few contacts with locals (there were lots of other novices around then) but that was about it. Reworking the windom to a center fed (coax) dipole improved it a bit, but I would likely have been a dropout right then if I had not been able to borrow a real rig

from a friend. His dad was a very competent e.e. and had made up a 5763 - 6146 rig for the 3 novice bands. It was complete with the most extraordinary power supply. Everything but the hv was regulated and the hv diodes were 866Jrs, I believe. Anyway, this thing would glow and flash in the dark (and light!) when the tx was keyed. I had enough contacts FINALLY to actually feel like a real ham and got my code speed up enough so the general exam only 6 months later was a 'piece of cake'. BTW: I had no elmers to speak of. My dad wasn't really all that interested in helping and the TV received me better than anyone out there in radio-land. Also, the high bands were hot just then (summer 1958...) and I knew there was more out there.

Eventually that rig had to go back to the real owner: Rod, WV6BYB. I managed to badger some of dad's contacts to help me (read that, they did the work) get a homebrew rig going for 40 and 20. It was maybe 50W input, making it about 30W output. When we moved to Oregon, a couple of antennas at most 25 ft off the ground is what I had for the next 5 years. Worked WAS with it, but mostly every contact was a struggle. I bashed for about 1/2 hour before finally working Fiji, VR2DK (VR2 was the Fiji prefix then) on about 7005. Oh, did I mention, the rig was crystal controlled. No money for further improvements. Never had a t/r coax relay either. Just used the 'big' antenna for transmit and a hunk of wire around the room for receive antenna. Turned down the gain for xmt. Primitive QSK, huh?! Anyway, I sold or gave away that old junk when I left for the university and promised myself I would have some real gear when I came back to activity.

I had had enough of poor contacts due at least partially to low power that I didn't want to hear the litany of the QRP club at the time (even tho

only 100W  
was considered QRP). And the first QRP rigs (Tuna can stuff) were too  
cute to  
have any interest .Got my first commercial rig (a Tempo 1 80-10 xcvr).  
Pretty  
good, one didn't have to even turn down the gain when transmitting...!  
Got a cheap amp ... and yes. that DX can be both heard and worked. Of  
course  
the antenna was much better than the one as a kid. At this point it was  
an  
inv dp at 50 ft peak height.

When I resurfaced in 1994, after raising 3 wonderful kids, I put up a  
real  
antenna (5 el sloper array for 40m) and with a baby KW amp worked GOBS  
of good  
stuff. That array was very inconvenient for anyone in the yard when it  
was  
cranked down (city hal reqmt) and has since been replaced with a 40 - 10  
m  
trap radialless vertical. It does well enough.

My current main rig is TT gear at the legal limit. BUT... I don't stomp  
on QRPers and  
ALWAYS hang in there when called by one. Chasing DX conditions one to be  
able  
to dig out those weak ones. Also, I have yet to use the amp on any band  
but 40  
(sure helps there, tho).

I had always wanted to try backpack portable operation and last fall  
bought  
a NC40A from W6JDB. Cute rig. I used it at home for a while to get used  
to  
it. With the vertical, I managed to work several DXCC countries,  
including  
my best-to-date: ZL1 with 2W. The rx is sensitive enough but not up to  
serious  
pileup work. But its super for true portable use. I recently picked up a  
MFJ 20m rig and the only two contacts to date were a portable op in C0  
and SM5IMO  
near Stockholm. I worked both QRPTTF and Field Day with 5W and had some  
useful learning experiences.I am now looking forward to a major  
backpack/QRP  
trip to Yosemite in a few weeks.

In summary, unless a new (especially a young and new) ham has a really  
good



elmer, non-QRP is the way to go. Also, antennas make a big contribution to one's initial experiences. Imagine what my experiences might have been if I had KU7Ys Force12 yagi instead of a windom at 20'. A good receiver is essential, also. Mine back then was able to receive 10 kHz either side of the BFO center frequency (an old surplus BC-312N). Nowadays, I am finding that working the QRP contests is a real kick. I especially like the field operating contests, of course. My interests, nowadays, stretch from QRP/portable, through QRP and standard contesting, DXing when practical, and legal-limit QRO operation. Heck, I love it all. I even have gotten to the point where slams on this reflector against 'those dang QRO guys' slide right off.

If you lasted this far through this post, look for me on the air and let's chat!

Allan (a.k.a. Grant) Taylor K7GT  
Pleasanton CA  
ex-WV6ALQ, WA6ALQ, K7JMJ, W0OKF, W7LGE.

--

73 de K7GT  
Allan Taylor (a.k.a. Grant) Pleasanton CA  
email: k7gt@qsl.net  
web page: <http://www.qsl.net/k7gt/index.html>

-----  
Date: Fri, 28 Aug 1998 12:47:01 -0600  
From: "Hulbert, Nick" <nick.hulbert@lmco.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Sam Billingsley <SBillingsley@usaninc.com>  
Subject: [18679] RE: QRP for beginners...  
Message-ID: <5104C9F8B0B5D1118C250000F8062537BF9EBE@emss02m13.ems.lmco.com>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"

Well Said Sam!. I can really appreciate your comments about QRP and beginners. Heathkit was the shining light for me and helped me understand

what was going on inside the box. The QRP kits and ELMers available today and the ELMER101 activity here on the QRP-L are invaluable.

I'll never forget (wish I could) the time I heard Mr. Summer(Sp?) K1ZZ, President of the ARRL, on a video tape compare Ham Radio to a Stereo enthusiast where you just plug stuff in and go. I couldn't believe the ARRL would do a tape like that or even consider reducing the hobby to such a simplified example. QRP has kept the essence of Ham Radio alive. Thanks Again for your comments and for sharing them here on the list.

Nick KG5N

-----  
Date: Fri, 28 Aug 1998 15:00:27 EDT  
From: w4pj@w4bkx.ampr.org  
To: qrp-l@Lehigh.EDU  
Subject: [18680] Re: Solar - Y2K etc.  
Message-ID: <19068@w4bkx.ampr.org>

And just think how nice and low the noise floor will be when all the light-dimmer switches, microwave ovens, corroded power-pole insulators, etc. etc. are quieted. Man, you could hear a pin diode drop!

de Scott / W4PJ Ft. Lauderdale, FL <EL96vd> #1585 (Pres. SFDXA)

----- 73 -----

BTW I keep my extra-large deep cycle batteries charged by putting them in the truck for a cpl days at a time.

-----  
Date: Wed, 19 Aug 1998 14:19:01 -0500  
From: Larry Braden <lbraden@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [18681] underground feedline installation  
Message-ID: <3.0.1.32.19980819141901.009d3100@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello all,

At my new home location, I am cursed with deed restrictions that do not allow the putting up of towers, antennas, or even flagpoles. My plan is to run pvc underground, down a steep grade, and run underground feedline to a

large, heavily wooded off-property spot in my immediate back-yard that has plenty of nice, tall trees for hanging wire and even perhaps a small quad.

The plan is to bury the feedline in PVC, and maybe even run some dc out as well. I remember a recent post that suggested 2 runs of coax with the shields connected..forming open-wire balanced feedline..should be low loss. Would this be a good candidate considering that the line will be going out...and then up? The backyard is only about 30 yards or so..to the treeline.

While I'm at it..want the best possible feedline installed ..might even be easier to pull the coax before the pvc goes into the ground.

Any comments or suggestions?

Larry

-----  
Larry Braden            MicroComputer Applicatons Technician  
Germanic Languages Department    University of Texas at Austin  
PHONE: 512-471-4123 FAX: 512-471-4025    Radio License: KC5CWG

-----  
Date: Fri, 28 Aug 1998 15:30:27 EDT  
From: w4pj@w4bkx.ampr.org  
To: qrp-l@Lehigh.EDU  
Subject: [18682] Re:QRP, Running dogs, &c.  
Message-ID: <19075@w4bkx.ampr.org>

I remember my first unassisted QSO also on a Ten-Tec.  
Century 22 (abt 25 watts input - 10 watts output)  
I was on Buck NF3M sailboat bouncing around in the Atlantic and worked  
a N1 in the big snowstorm... made him jealous, I think. Then a bit later  
worked a UA0 in Novosibirsk. Man, I was hooked!  
80ft vertical wire (Backstay) and salt-water grnd didn't hurt.  
Hee-hee

de Scott / W4PJ    Ft. Lauderdale, FL <EL96vd>    #1585    (Pres. SFDXA)  
----- 73 -----

-----  
Date: Fri, 28 Aug 1998 15:07:57 -0500  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@lehigh.edu>  
Subject: [18683] HW-9 and programmable counter

Message-ID: <00ea01bdd2bf\$8d16a560\$4d0b9595@Jeffro.cc.tntech.edu>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

I have a HW9, working, has WARC band kit, probably could be finer tuned (which I can do if I have to), with S&S programmable counter may even have a keyer I can throw in. I will sell if for the right price..would rather trade for QRP++ (with some extra \$), or Icom706 or something good mobile for a small LeBaron Convertible.

72

Jeff, AC4Hf

-----  
Date: Fri, 28 Aug 1998 15:25:37 -0500

From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>

To: QRP-L list <QRP-L@Lehigh.EDU>

Subject: [18684] SPICE models wanted

Message-ID: <95A8AD93C03DD2118BD300805FA79E74119FFB@s-il02-g.comm.mot.com>

MIME-Version: 1.0

Content-Type: text/plain

Has anyone found sources for Spice models of the devices we use frequently, like

2n2222, 2n3904, 2n3906, 2n5109, 2n5179 and so on?

Any clues gratefully received.

73, Bob N6WG

-----  
Date: Fri, 28 Aug 1998 15:36:59 -0500

From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>

To: "'BA Swaplist'" <baswaplist@foothill.net>, "'Boatanchors@Tempe'"

<boatanchors@listserv.tempe.gov>,

"'Boatanchors@theporch'" <boatanchors@sco.theporch.com>, "'glowbugs'"

<glowbugs@piobaire.mines.uidaho.edu>, "'QRP-L'" <qrp-l@Lehigh.EDU>

Subject: [18685] WTB: Micamold XTR-1 Tube QRP Transmitter

Message-ID: <21B46CBD022AD1118F0500805F15A068A802AD@STPMSX05.stp.guidant.com>

MIME-Version: 1.0

Content-Type: text/plain

Want to buy Micamold XTR-1 transmitter, any condition considered. This is a qrp low power 3 tube 3 band transmitter from the 1950's, parts mounted on a grey chassis (no cover), with a round meter in left corner. Please take a look way back on the shelves for this peanut whistle. Thanks.

Scott WA9WFA in Saint Paul Minn  
ARCI#7299, NORCAL#809, ARRL-LM

-----  
Date: Fri, 28 Aug 1998 16:58:16 -0400  
From: Bob Edwards <w4ed@flash.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18686] Re: Y2K  
Message-ID: <35E719E8.83A4708B@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

jeverhar@cse.1-3com.com wrote:

Could see it coming & yah YAC sounds neat.

....  
> How about if NJQRP sponsors the Y2K/YAC contest for New Years Day 2000?  
>..... I propose bonus points would be for those running  
> on emergency power (like batteries) and even more bonus points for  
> "natural power" like wind, solar, waterwheel, etc.....

I'd like to add a qualifier to "natural power" that it must be self sustaining. Not sure how to word it. The idea is that we (QRP) can handle traffic as long as needed 2000, 2001, 2002,,,,, not just for a QRP sprint. (I do enjoy sprints)

Do we want categories or multipliers for field operation ? Maybe not.

--

Bob	72/73	/
	Z'# 114	/
		/   \
http://www.qsl.net/w4ed		/  / E   \
W4ED nr Atlanta @EM73wt		/_   / ____   __ \
...."QRP", more from less....		[ \ ----- - /

~~~~~

-----  
Date: Fri, 28 Aug 1998 17:04:39 -0400  
From: "Tim Hynde" <hynde@flash.net>  
To: <qrp-1@Lehigh.EDU>  
Message-ID: <199808282105.QAA09041@endeavor.flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Im building a little 30m transmitter and have a question regarding the rf chokes used. There is a 100uh choke from the power supply to the collector of a 2n2222 which is the driver. Is this choke part of a tuned circuit or is the inductance of the choke only used to block RF from the DC line? Assuming a minimum inductance is required, would adding more change the operation of the circuit?

Tim ka8ddz

-----  
Date: Fri, 28 Aug 1998 17:06:08 -0400  
From: cy r currier <crc3@telplus.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>, "'w4ed@flash.net'" <w4ed@flash.net>  
Subject: [18688] RE: Y2K  
Message-ID: <01BDD2A6.28737020@bgr169.lobster.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

i would prefer no field operation. it's apt to be 25 below zero up here = in the puckerbrush. i guess i could work from the ice house if i could = get the battery warm enough. cy - k1tes

-----  
From: Bob Edwards  
Sent: Friday, August 28, 1998 4:58 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Y2K

jeverhar@cse.1-3com.com wrote:

Could see it coming & yah YAC sounds neat.

....

> How about if NJQRP sponsors the Y2K/YAC contest for New Years Day = 2000?

>..... I propose bonus points would be for those running  
> on emergency power (like batteries) and even more bonus points for  
> "natural power" like wind, solar, waterwheel, etc.....

I'd like to add a qualifier to "natural power" that it must be self sustaining. Not sure how to word it. The idea is that we=20 (QRP) can handle traffic as long as needed 2000, 2001, 2002,,,,, not just for a QRP sprint. (I do enjoy sprints)

Do we want categories or multipliers for field operation ? Maybe not.

--=20

|                               |         |                           |
|-------------------------------|---------|---------------------------|
| Bob                           | 72/73   | /                         |
|                               | Z'# 114 | /                         |
|                               |         | /   \                     |
| http://www.qsl.net/w4ed       |         | /  / E   \                |
| W4ED nr Atlanta @EM73wt       |         | /_ /____ __\              |
| ...."QRP", more from less.... |         | [\---=3D=3D=3D=3D=3D=3D-/ |

~~~~~

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Date: Fri, 28 Aug 1998 15:12:14 -0600 (MDT)  
From: af852@rgfn.epcc.edu (William R Colbert)  
To: qrp-1@Lehigh.EDU, w5xe@juno.com  
Subject: [18689] Y2K & qrp & millenium fever  
Message-ID: <199808282112.PAA10192@rgfn.epcc.edu>

REgarding Jay's comments - all very good. When it comes to wind generators, there are several sources of same available, some that are excellent, some that won't survive a 30 kt wind. The Jacobs series which was produced in the 30's and 40's but were put into forced disuse by the REA in the 50's was one of the best and in some cases is still available in a limited supply. One source is Kansas Wind Power co, which has ads in the Homepower Magazine and Mother Earth News (I can't find my info at the moment). A good reference for windgenerators is in the books by Michael Hackleman entitled "Wind and Windspinners"m a nuts and bolts approach to wind electric systems. This book incorporates a lot about the vertical axis arrays, which do not

I do not have a working wind system - have the components for a S rotator, vertical system, but I do have up to 8 amps of Spectrolab panels with regulator. A best of systems would be especially for those that have some cloud cover, a solar panel system, with a wind generator of some sort and a nearby stream for a hydraulic generator, but for most two of the three will be available.

--  
Ray Colbert, W5XE  
00TC 3618, SOWP 1064M  
El Paso, Tx (FAR WEST TEXAS!)  
also: w5xe@juno.com

Just stuck a thermometer out on the patio where I plan to operate on Sunday. At 5PM, the temp is 98 degrees and humidity about the same. This is off the chart that came with the posted rules! Should be fun, my wife has to have the house freezing, but I enjoy the heat. So we'll both be happy campers at least for four hours. I'll need an overcoat when I come back inside though...

E-Mail: [n4bp@bc.seflin.org](mailto:n4bp@bc.seflin.org)  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715



-----  
Date: Fri, 28 Aug 1998 14:22:39 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [18691] Re: SPICE models wanted  
Message-ID: <Pine.BSI.3.96.980828142152.26978A-100000@usr08.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 28 Aug 1998, Tellefsen Bob-CNSE97 wrote:

> Has anyone found sources for Spice models of the devices we use  
> frequently, like  
> 2n2222, 2n3904, 2n3906, 2n5109, 2n5179 and so on?  
>  
> Any clues gratefully received.  
>  
> 73, Bob N6WG  
>

Yes. These devices all exist in the device model library for  
MicroSIM PSpice.

```

/-----\
/  What's all this  \
/ extinct stuff, anyhow? /
\-----\
_ | /
oo\
(--) \
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```

Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Fri, 28 Aug 1998 11:57:05 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: <nwq-1@scn.org>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [18692] N7MFB NOT on HF  
Message-ID: <000201bdd2ca\$59ea5c80\$324ffbce@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry for the earlier post, saying that I would be on HF this morning.

It turns out that the local Red Cross emergency communications van, only contained 2 meter gear, so I spent two hours talking to local people about 20 miles away.  
Woopteedoo...

CUL, Bill-N7MFB  
<http://www.willapabay.org/~bill>  
ICQ me @ 8926298

-----  
Date: Fri, 28 Aug 1998 13:30:39 -0800  
From: "Larsen, Jim" <JLarsen@alascom.att.com>  
To: "'n4bp@bc.seflin.org'" <n4bp@bc.seflin.org>  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [18693] RE: BUBBA - Need Better Chart  
Message-ID: <291F3DB584F5D1119BAF006008CE719E0D5110@AlascomExc1.alascom.att.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Well, we had snow in the mountains above town yesterday (called "termination dust") and ice (< 32 degrees) on the car this morning. It is still not up to 50 degrees today. Yes, you're right, Bob, we need a better chart. I can't find my temperatures anywhere on the chart. :-)

73, Jim, AL7FS

> -----Original Message-----

> From: Bob Patten [SMTP:n4bp@bc.seflin.org]  
>  
> . At 5PM, the temp is 98 degrees and humidity about the same.

-----  
Date: Fri, 28 Aug 1998 16:46:51 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: crc3@telplus.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [18694] Re: Y2K  
Message-ID: <35E7254B.AFCCC92F@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

cy r currier wrote:

>  
> i would prefer no field operation. it's apt to be 25 below zero up here in the  
puckerbrush. i guess i could work from the ice house if i could get the battery  
warm enough. cy - k1tes

If the power grid goes down, the inside of your home may not be much  
warmer than out in the field. Just a thought. HI

73 de Dave, N0IT

-----  
Date: Fri, 28 Aug 1998 21:47:06 +0100  
From: wd3p@juno.com (Larry Cahoon)  
To: qrp-l@lehigh.edu  
Subject: [18695] Y2K  
Message-ID: <19980828.214724.16398.3.wd3p@juno.com>

> How about if NJQRP sponsors the Y2K/YAC contest for New Years Day

Let see, the contest ends when power returns?????

72/73 de Larry....WD3P in MD

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 28 Aug 1998 21:46:39 +0100  
From: wd3p@juno.com (Larry Cahoon)  
To: qrp-l@lehigh.edu  
Subject: [18696] Re: BUBBA - Need Better Chart  
Message-ID: <19980828.214724.16398.2.wd3p@juno.com>

On Fri, 28 Aug 1998 17:16:34 -0400 (EDT) Bob Patten <n4bp@bc.seflin.org> writes:

>Just stuck a thermometer out on the patio where I plan to operate on  
>Sunday. At 5PM, the temp is 98 degrees and humidity about the same.  
>This is off the chart

If we are going to extend the chart let's \be sure we cover the entire range. I think I'll operate from inside the car - ough to be able to get it up to 130. But then again I might not survive the contest.

Let the fun begin.....72/73 de Larry.....WD3P in MD

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 28 Aug 1998 18:25:15 EDT  
From: n4so@juno.com (charles k brown)  
To: qrp-l@Lehigh.EDU  
Subject: [18697] Technical Information Server  
Message-ID: <19980828.222224.7687.15.n4so@juno.com>

ARRL Technical Information Server

You can use your e-mail capability and tap into the ARRL Technical Information Server, otherwise known as the "Info server". To have user instructions and a handy index sent to you automatically, simply address an e-mail message to: [info@arrl.org](mailto:info@arrl.org)  
In the body of your message enter:

HELP  
SEND INDEX  
QUIT

\*\*\*\*\*

The Info Server contains QST Indexes starting at 1989 thru the last Index year.

The filenames use the format of:

QST\_IND.X.89

Ken

N4SO@juno.com

Mobile, AL "Merci bien et toutes mes amities."

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You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

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Date: Fri, 28 Aug 1998 22:30:52 GMT

From: mwattcpa@earthlink.net (Marty Watt)

To: tcg@k4ro.net, qrp-l@lehigh.edu

Subject: [18698] For Sale: Zip Drive and Accessories

Message-ID: <35e72da2.1376087@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

I have debated, and since I'm no longer traveling and will soon have a =  
cable  
connection to the internet, I find I have an IOmega ZIP drive, excess to =  
my  
needs. =20

In addition to the drive itself, parallel port version, I have two carry =  
cases

(Large and Small), a full gig of cleared (but used) ZIP disks, two power  
cables (one big, one lightweight for travel), the interface cable =  
(parallel

port version), and a portable battery for cordless use. I used it to =  
carry

personal and ham programs with a company laptop. Super for using where =  
you

don't want to mix business and pleasure on your laptop or home harddrive.=

I

set mine as the "W" drive, and created shortcuts to run programs in Win95=

as  
needed. Current utility and driver software included.

The total new retail value for everything would be over \$450 (\$199 for =  
the  
drive, \$150 for the disks, \$50 for the cases, \$20 for the power supply =  
cable,  
\$50 for the battery).

I'd like \$225, shipped priority USPS in the United States.

--

72 es 73 de Marty, KM7W

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Memphis, Tennessee <http://home.earthlink.net/~mwattcpa>  
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM55

-----  
Date: Fri, 28 Aug 1998 17:33:22 cdt  
From: wj50@juno.com (William H. Hays)  
To: QRP-L@Lehigh.EDU, TENTEN-L@Lehigh.EDU  
Subject: [18699] tube ID HELP  
Message-ID: <19980828.173323.15838.0.WJ50@juno.com>

Hey gang,  
I again have to come to the fountain of knowledge for assistance.

Been digging in my tube "stash" again.

Found two more Western Electric tubes that I can't ID spec wise.  
717A also marked VT269 (short "squattie" tube w/ 8 pin locktel base)  
417A nine pin miniature

Also found two each of the following:  
four prong with plate cap on top--long 4" black cylinder marked  
EMTECH  
PT NO.3480406-1  
ED8805  
(Diode symbol)  
EDI 8046  
5961-00-057-7531

and 8 pin locktel short black cylinder marked  
SES  
1N1238 (diode symbol)

8003

I remember a friend telling me that He thought they were solid state replacements for tubes--either HEATH or COLLINS

Love to trade 'em away-----anything QRP or ten meters.

73 Bill WJ50

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

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Date: Fri, 28 Aug 1998 22:56:16 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [18700] Cobra Antenna.  
Message-ID: <35E73590.46B@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang, I've been reading Kraus' "Antennas" book again.  
Kraus (W8JK) designed the W8JK antenna (Of course...)  
and I was thinking of only using half of the array.

I was going to build it real soon. I decided on this  
type of antenna over the folded dipole since the folded  
dipole was virtually unusable on even harmonics.

Lo and behold, I'm doing research on log periodics today  
finding my Rota, Spain home page (cool!!) and CDAA information.

I digress...

Anyway, further searching on infoseek yielded exactly the  
antenna I was planning to build:

<http://www.cowtown.net/users/kj5zr/cobra.htm>

I think my optimum antenna search is over. (defining  
optimum: multiband capability, tunable, openwire feed, efficient  
and practical for portable use.

All I did was search infoseek for: "HF Antenna Design".

The link above is to an article by Raymond A. Cook/W4JQH,  
Amateur Radio Today, June 1997 issue.

I hope y'all find it interesting.

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397

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End of QRP-L Digest 1197

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